WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS

WINDOW TECHNOLOGY – ORDER CATALOGUE

Lift&Slide hardware for timber elements

Edition 04/2019

Securing technology for you

The Gretsch-Unitas group

Opening, moving, closing, securing – true to its motto "Securing technology for you", Gretsch-Unitas group provides groundbreaking solutions for window and door technology, automatic entrance systems and building management systems. With its system brands, the group delivers solutions for burglar inhibition at doors and windows, barrier-free construction, doors in escape and rescue routes through to bespoke facade solutions for projects.

Gretsch-Unitas GmbH Baubeschläge

The group of companies is headquartered at GU in Ditzingen where development, administration and production of state-of-the-art architectural hardware for window and door technology takes place. It is equipped with various flexible assembly areas, a state-of-the-art punching shop, and a galvanising and anodising plant.

BKS GmbH

BKS manufactures mechanical and electronic locking cylinders, locks and locking systems as well as panic locks for escape and rescue routes. Harmonised mechanical and electronic system solutions are available for access control.

FERCO International S.A.S.

Ferco is the biggest production site for window hardware in France. Ferco, a subsidiary of the Gretsch-Unitas group of companies, also provides customer care and distribution of all group products throughout France.

GU Automatic

GU Automatic offers innovative, secure and reliable solutions for automatic entrance systems and door automation, revolving doors, all-glass sliding walls, security curved sliding doors and controlled physical access.

ela-soft

By developing GEMOS, the successful facility management and organisation system, ela-soft has become an established market and technology leader in the building services sector.

Securing technology for you

1.0 System overviews
Table of contents 8

2.0 Hardware overviews
Table of contents 95

3.0 Individual parts overviews
Table of contents 203

4.0 Drilling jigs and auxiliary tools
Table of contents 329

5.0 Special applications
Table of contents 341

6.0 Turn handles and accessories
Table of contents 409

7.0 Additional information
Table of contents 483

We make ordering simple for you

Your guide to using the catalogue

System overviews

1st step: Selection of the Lift&Slide system

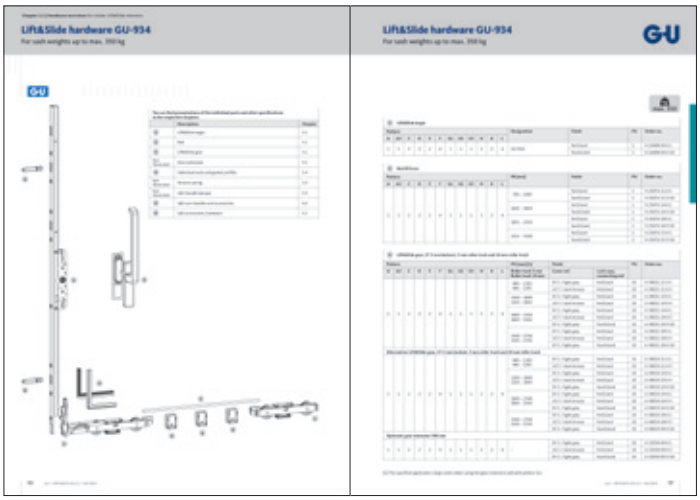
In Chapter 1.0, we present our Lift&Slide systems to you with system overviews. The individual double pages contain all the specifications about the relevant ranges of application and the necessary cross-references to the order overviews for the hardware, individual parts and special applications. This clear navigation in our catalogue allows you to put your entire Lift&Slide hardware system together easily and in just a few steps.

E.g.: Sash thickness 88 mm, GU-thermostep 204

Lift&Slide hardware sets

2nd step: Selection of the Lift&Slide hardware set

In Chapter 2.1, you will find the order overviews of the individual Lift&Slide hardware sets. Here, we have assigned all the necessary hardware components by quantity and design to the respective pattern. You can choose from a variety of sizes and surface coatings.

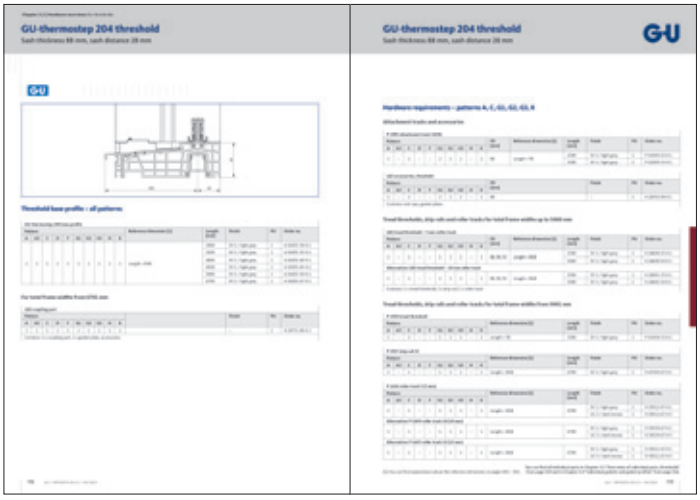


E.g.: Lift&Slide hardware GU-934

Threshold sets

3rd step: Selection of the threshold sets

In Chapter 2.2, you will find the order overviews of the individual threshold sets. Here, we have assigned all the necessary threshold components by quantity and design to the respective pattern. You can choose from a variety of sizes and surface coatings. For the roller track, the roller track heights of 5, 10 or 15 millimetres are available. The threshold sets are then rounded off with the necessary accessories.

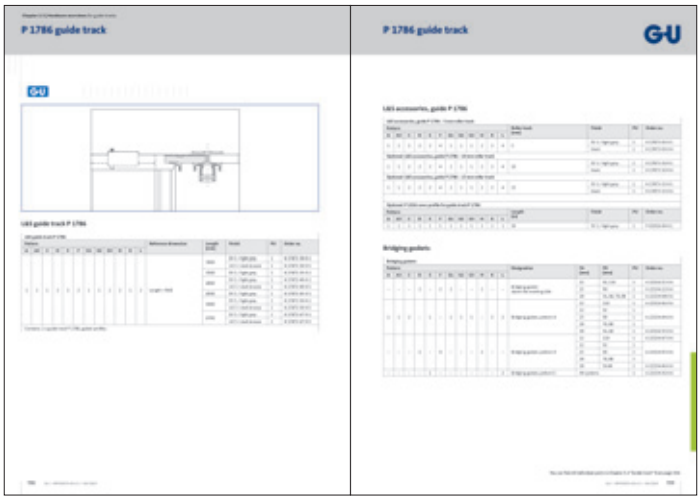


E.g.: GU-thermostep 204 threshold

Guide track sets

4th step: selection of the guide track set

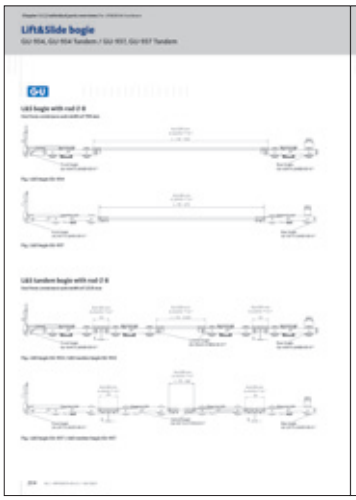
In Chapter 2.3, you will find the order overviews of the guide tracks. The system is then complete. Here again, you can choose from a variety of sizes and surface coatings.



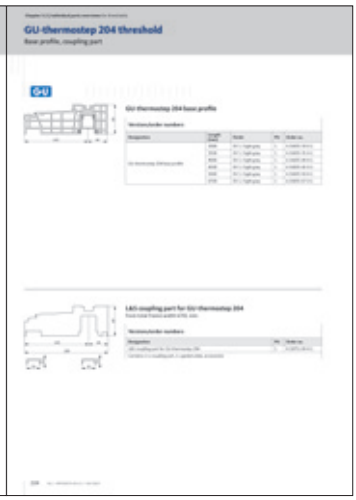
E.g.: P 1786 guide track

Individual parts overviews

Individuality counts. So we give you the option of modifying and supplementing the selected Lift&Slide hardware system. This is possible in the area of the Lift&Slide hardware, the threshold and the guide track. We present our range of individual parts to you in Chapters 3.1 to 4.0, and in Chapter 6.0. You will also find information here about specific characteristics, such as the dimensions or details about the contents of the packing units.



E.g.: Individual parts, Lift&Slide hardware

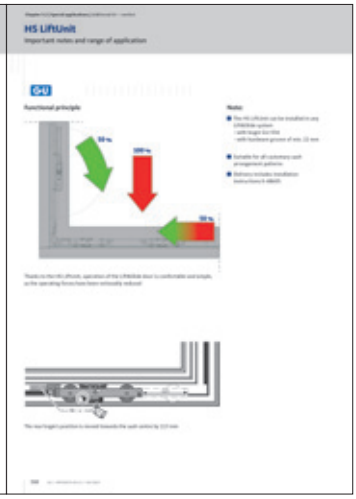


E.g.: Individual parts, threshold

Special applications

In Chapter 5.0, we present to you possible applications with which we set standards that extend far beyond the normal offerings on the market. You can choose the right solution for you from the following additional kits: "accessibility", "comfort", "design" and "burglar protection". Our state-of-the-art special solutions all include the necessary specifications about application ranges and the applicable documentation.

E.g.: Special application, barrier freedom



E.g.: Special application, comfort

System overviews

Table of contents

Sash thickness 56 mm

GU-thermostep 164 threshold

Sash distance 10 mm – P 1786 guide track 10
Sash distance 28 mm – P 1786 guide track 12
Sash distance 28 mm – P 1850 guide track 14

GU-threshold 47 threshold

Sash distance 28 mm – P 1786 guide track 16
Sash distance 28 mm – P 1850 guide track 18

GU-timberstep 164 threshold

Sash distance 28 mm – P 1786 guide track 20
Sash distance 28 mm – P 1850 guide track 22

GU-flatstep 164 threshold

Sash distance 28 mm – P 1786 guide track 24
Sash distance 28 mm – P 1850 guide track 26

68 mm sash thickness

GU-thermostep 164 threshold

Sash distance 10 mm – P 1786 guide track 28
Sash distance 28 mm – P 1786 guide track 30
Sash distance 28 mm – P 1850 guide track 32

GU-threshold 47 threshold

Sash distance 28 mm – P 1786 guide track 34
Sash distance 28 mm – P 1850 guide track 36

GU-timberstep 164 threshold

Sash distance 28 mm – P 1786 guide track 38
Sash distance 28 mm – P 1850 guide track 40

GU-flatstep 164 threshold

Sash distance 28 mm – P 1786 guide track 42
Sash distance 28 mm – P 1850 guide track 44

Sash thickness 78 mm

GU-thermostep 204 threshold

Sash distance 28 mm – P 1786 guide track 46
Sash distance 28 mm – P 1850 guide track 48

GU-timberstep 204 threshold

Sash distance 28 mm – P 1786 guide track 50
Sash distance 28 mm – P 1850 guide track 52

Sash thickness 88 mm

GU-thermostep 204 threshold
Sash distance 28 mm – P 1786 guide track 54
Sash distance 28 mm – P 1850 guide track 56

GU-timberstep 204 threshold
Sash distance 28 mm – P 1786 guide track 58
Sash distance 28 mm – P 1850 guide track 60

GU-flatstep 222 threshold
Sash distance 28 mm – P 1786 guide track 62
Sash distance 28 mm – P 1850 guide track 64

Sash thickness 90 mm

GU-thermostep 204 threshold
Sash distance 25 mm – P 1786 guide track 66
Sash distance 25 mm – P 1850 guide track 68

GU-timberstep 204 threshold
Sash distance 25 mm – P 1786 guide track 70
Sash distance 25 mm – P 1850 guide track 72

GU-flatstep 222 threshold
Sash distance 25 mm – P 1786 guide track 74
Sash distance 25 mm – P 1850 guide track 76

Sash thickness 92 mm

GU-thermostep 204 threshold
Sash distance 22 mm – P 1786 guide track 78
Sash distance 22 mm – P 1850 guide track 80

GU-timberstep 204 threshold
Sash distance 22 mm – P 1786 guide track 82
Sash distance 22 mm – P 1850 guide track 84

GU-flatstep 222 threshold
Sash distance 22 mm – P 1786 guide track 86
Sash distance 22 mm – P 1850 guide track 88

110 mm sash thickness

GU-thermostep 204 threshold
Sash distance 22 mm – P 1786 guide track 90
Sash distance 22 mm – P 1850 guide track 92

Sash thickness 56 mm, GU-thermostep 164

Sash distance 10 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

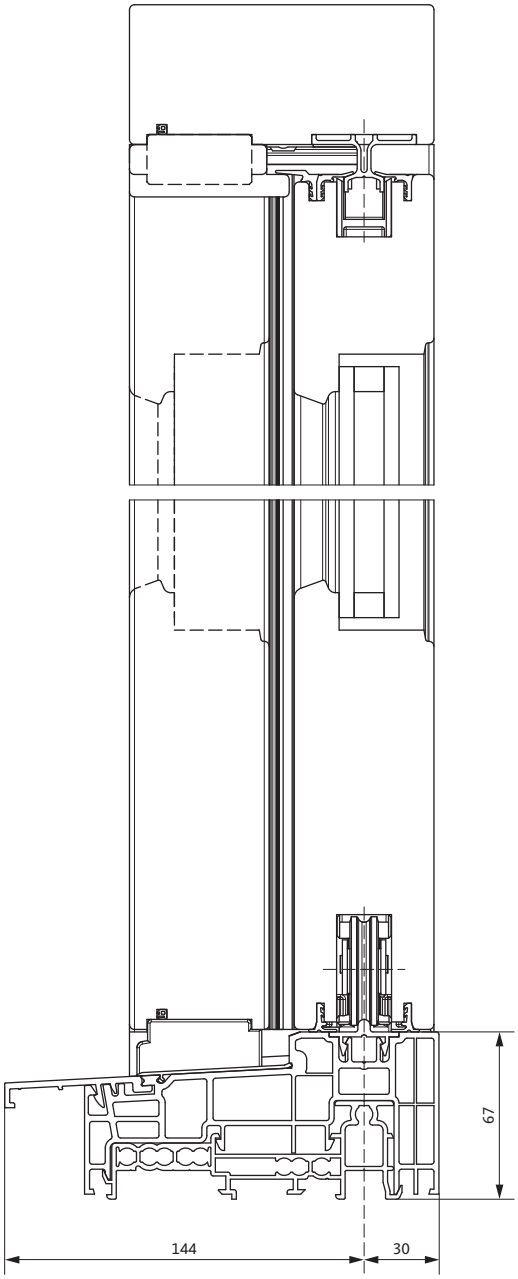
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

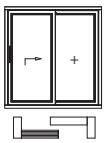
Patterns	Profile system, threshold	Guide track
Pattern A	0-44271	0-46522
Pattern C	0-44273	0-46522
Pattern G2	0-44276	0-46522

Note:

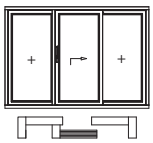
- RC2: for tested patterns please refer to our "System file RC2 Timber".



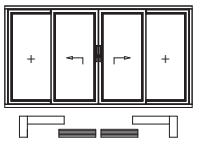
Possible patterns



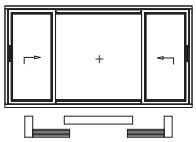
Pattern A



Pattern G2



Pattern C



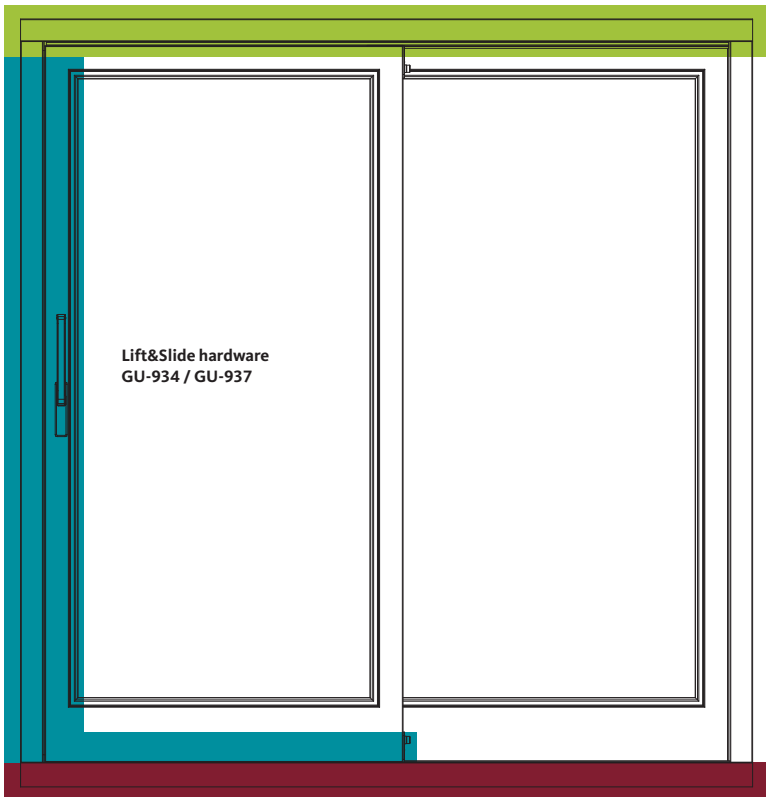
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 10 mm, guide track P 1786

P 1786 guide track



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	134

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

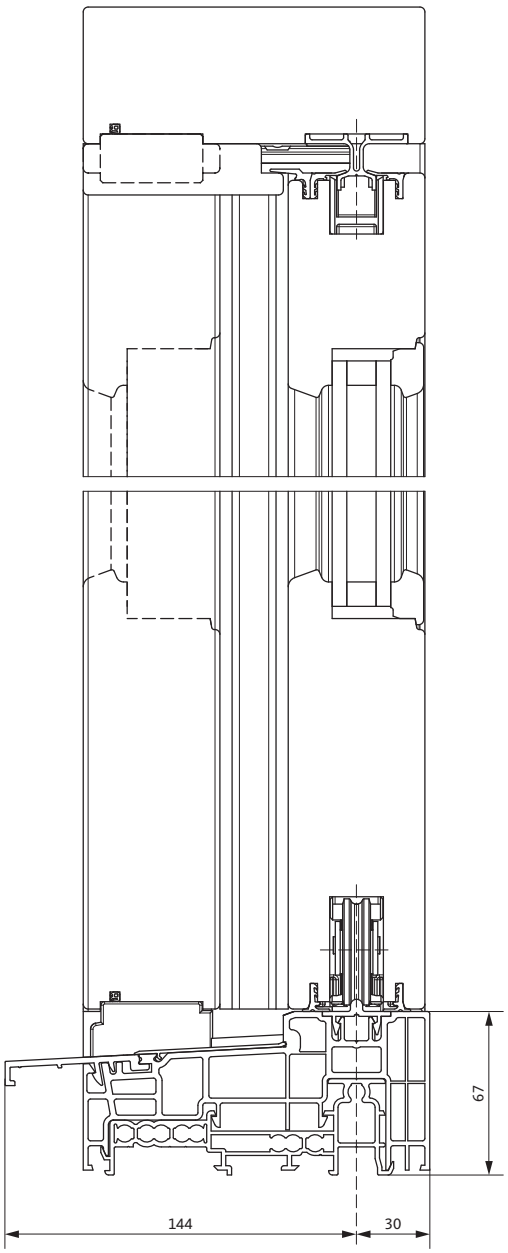
SH : SW = 2.5 : 1

Installation drawings

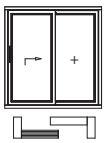
Patterns	Profile system, threshold	Guide track
Pattern A	0-44269	0-46522
Pattern C	0-44272	0-46522
Pattern D	0-44274	0-46522
Pattern F	0-44340	0-46522
Pattern G2	0-44275	0-46522

Note:

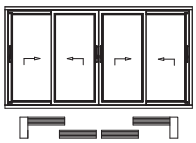
- RC2: for tested patterns please refer to our "System file RC2 Timber".



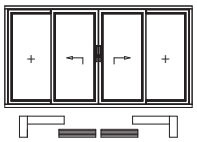
Possible patterns



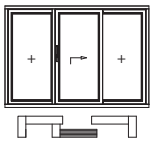
Pattern A



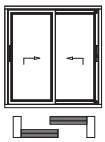
Pattern F



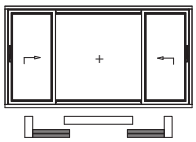
Pattern C



Pattern G2



Pattern D



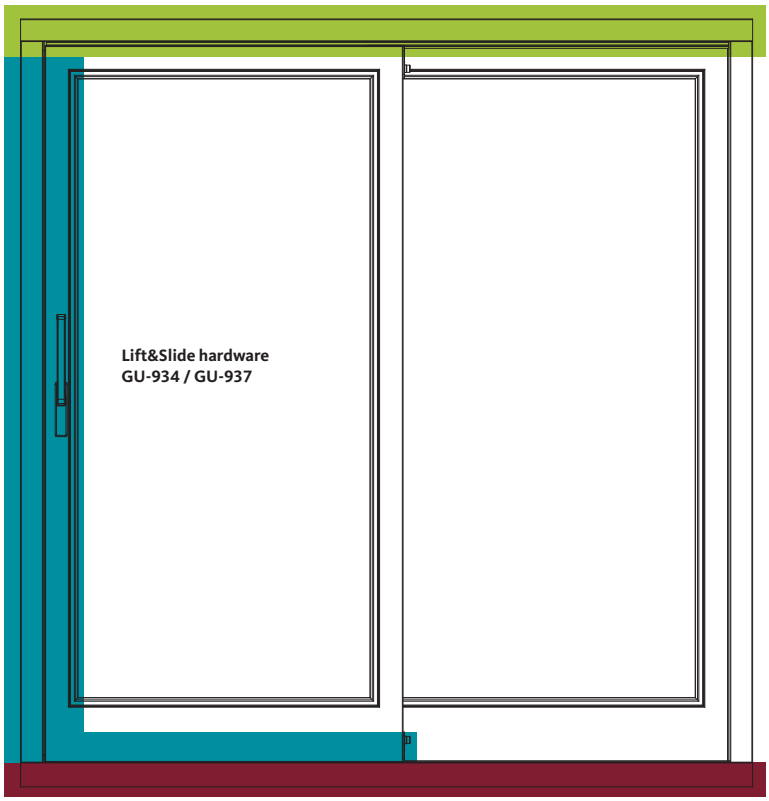
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	136

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

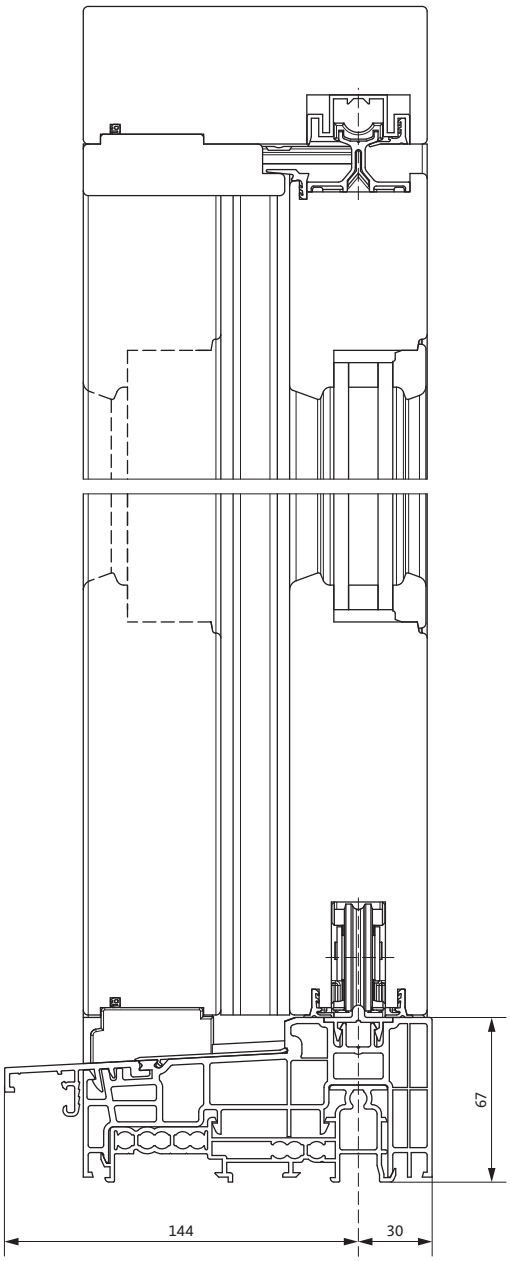
SH : SW = 2.5 : 1

Installation drawings

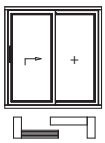
Patterns	Profile system, threshold	Guide track
Pattern A	0-44269	0-46524
Pattern C	0-44272	0-46524
Pattern D	0-44274	0-46524
Pattern F	0-44340	0-46524
Pattern G2	0-44275	0-46524

Note:

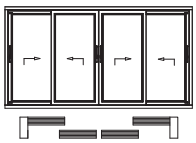
- RC2: for tested patterns please refer to our "System file RC2 Timber".



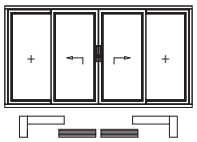
Possible patterns



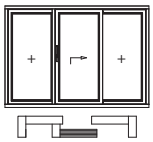
Pattern A



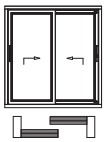
Pattern F



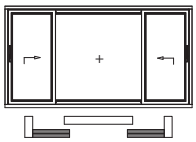
Pattern C



Pattern G2



Pattern D



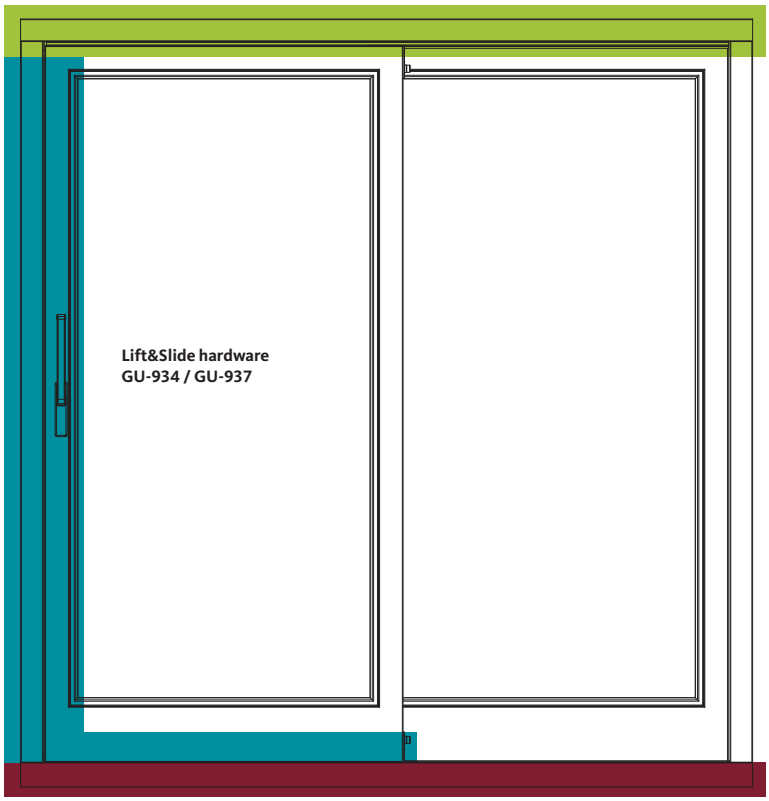
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	136

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786

GU

RC2

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

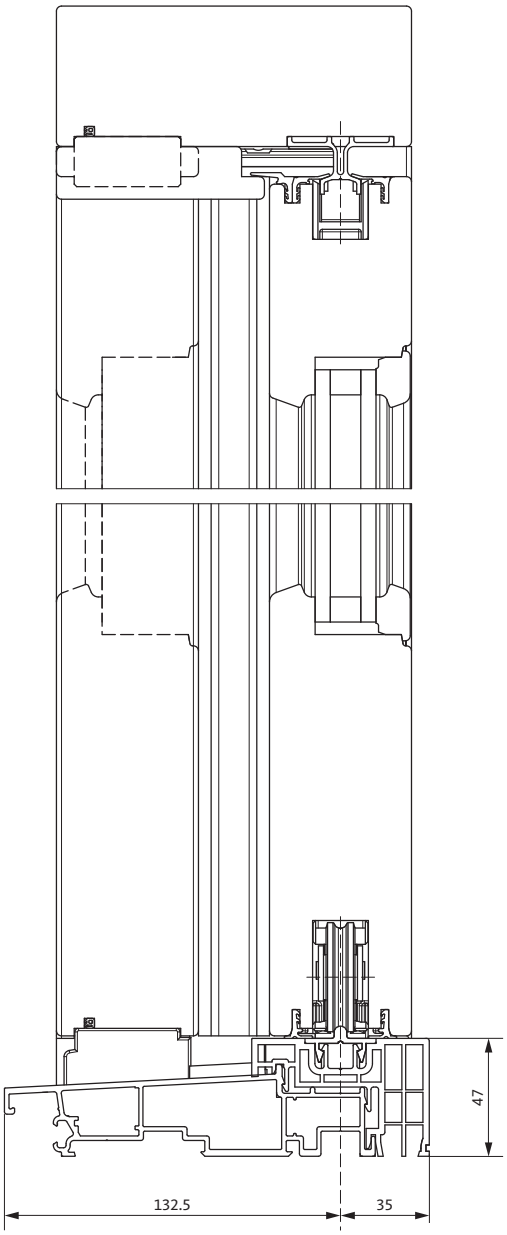
SH : SW = 2.5 : 1

Installation drawings

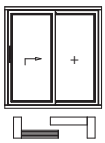
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45156	0-46522
Pattern C	0-44272	0-45156	0-46522
Pattern D	0-44274	0-45156	0-46522
Pattern F	0-44340	0-45156	0-46522
Pattern G2	0-44275	0-45156	0-46522

Note:

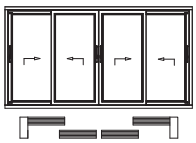
- RC2: for tested patterns please refer to our "System file RC2 Timber".



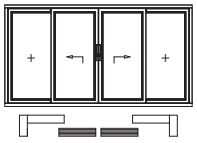
Possible patterns



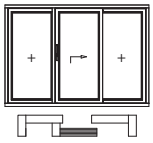
Pattern A



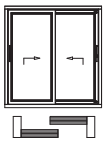
Pattern F



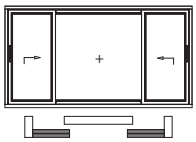
Pattern C



Pattern G2



Pattern D



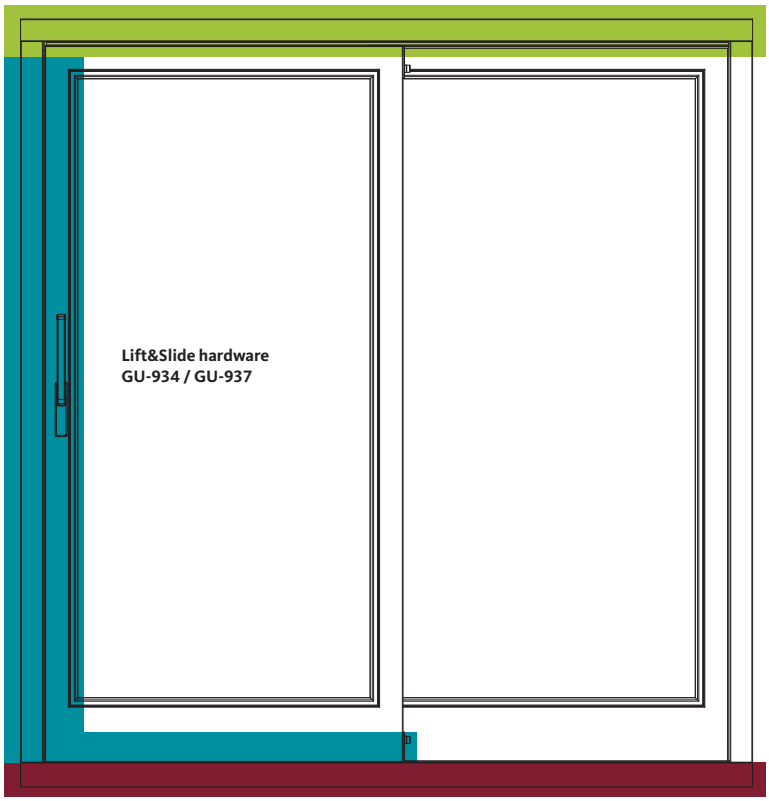
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-threshold 47 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-threshold 47	2.2	146

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-threshold 47	3.2	262

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850

GU

RC2

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

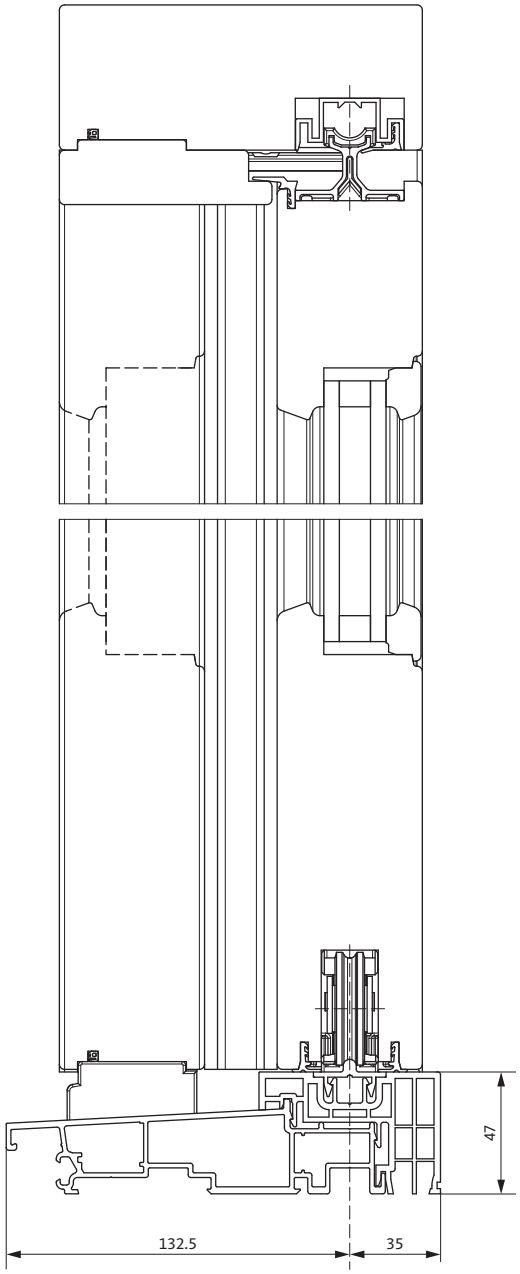
SH : SW = 2.5 : 1

Installation drawings

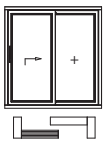
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45156	0-46524
Pattern C	0-44272	0-45156	0-46524
Pattern D	0-44274	0-45156	0-46524
Pattern F	0-44340	0-45156	0-46524
Pattern G2	0-44275	0-45156	0-46524

Note:

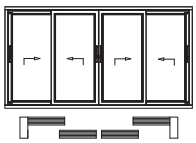
- RC2: for tested patterns please refer to our "System file RC2 Timber".



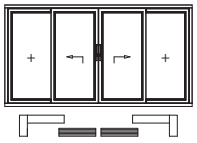
Possible patterns



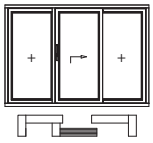
Pattern A



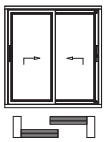
Pattern F



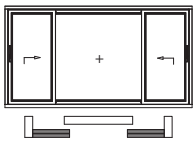
Pattern C



Pattern G2



Pattern D



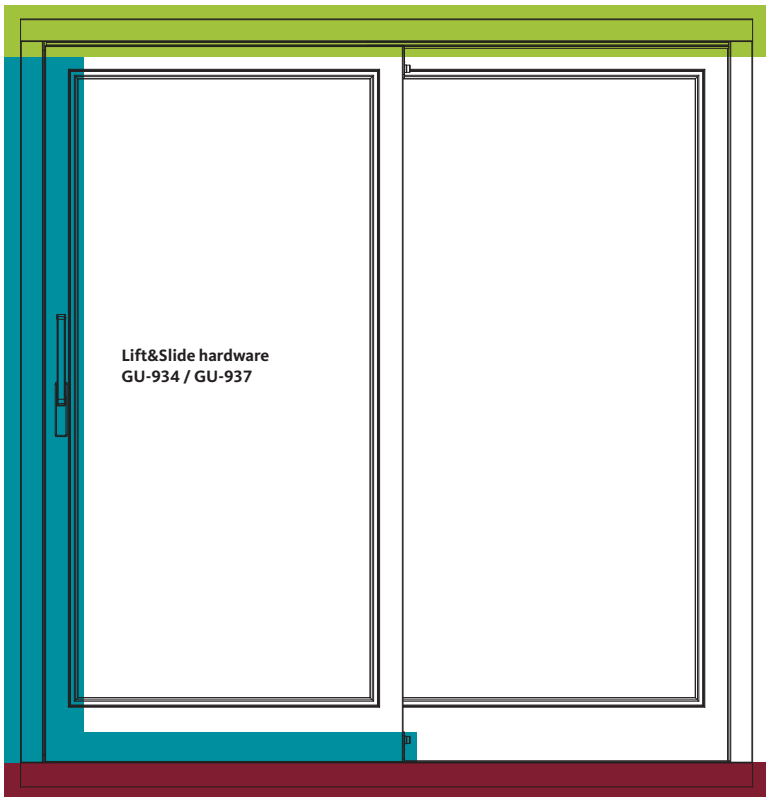
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-threshold 47 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-threshold 47	2.2	146

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-threshold 47	3.2	262

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

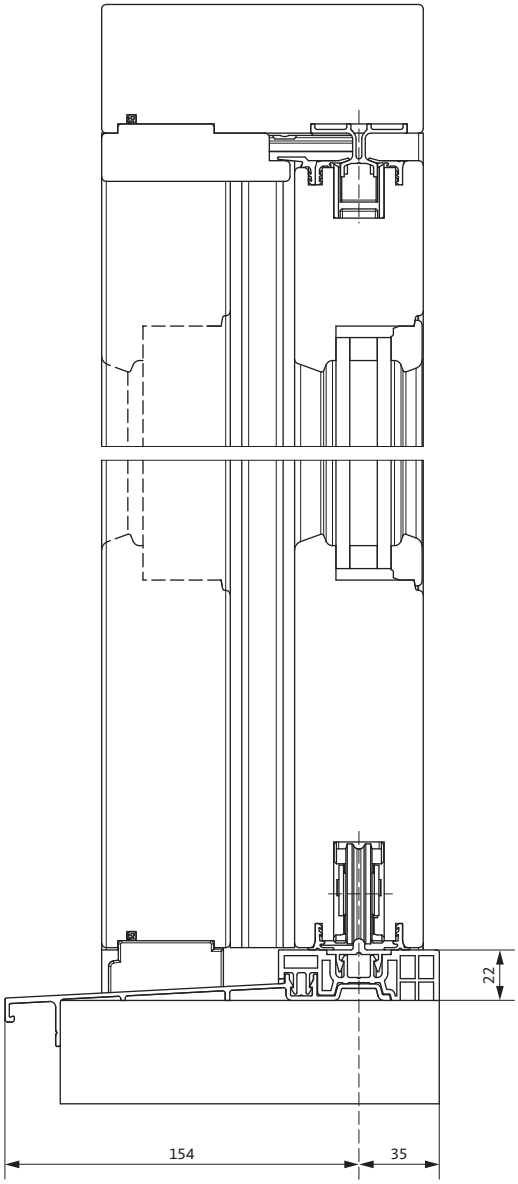
SH : SW = 2.5 : 1

Installation drawings

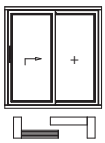
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45433	0-46522
Pattern C	0-44272	0-45433	0-46522
Pattern D	0-44274	0-45433	0-46522
Pattern F	0-44340	0-45433	0-46522
Pattern G2	0-44275	0-45433	0-46522

Note:

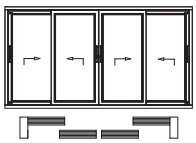
- RC2: for tested patterns please refer to our "System file RC2 Timber".



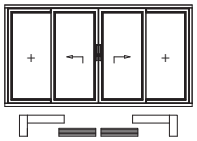
Possible patterns



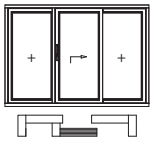
Pattern A



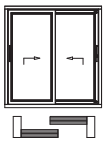
Pattern F



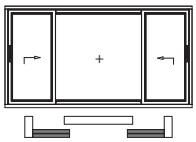
Pattern C



Pattern G2



Pattern D



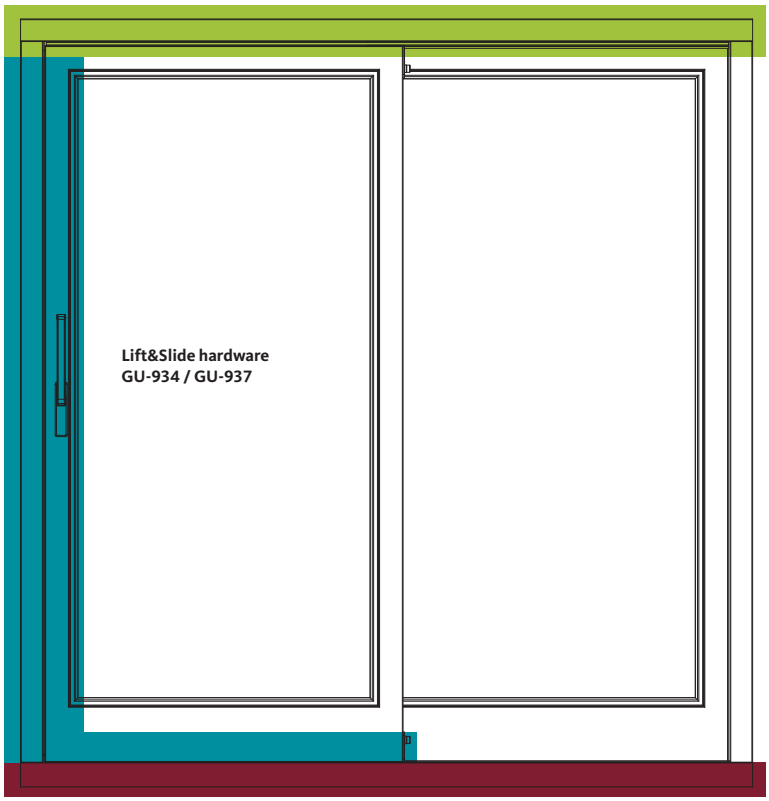
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-timberstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 164	2.2	190

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 164	3.2	297

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

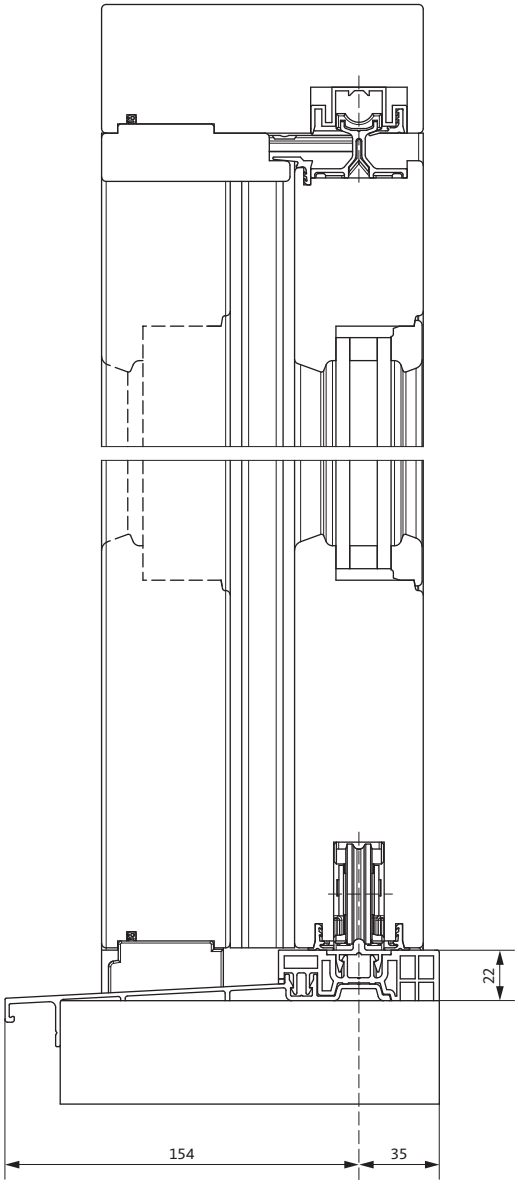
SH : SW = 2.5 : 1

Installation drawings

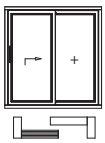
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45433	0-46524
Pattern C	0-44272	0-45433	0-46524
Pattern D	0-44274	0-45433	0-46524
Pattern F	0-44340	0-45433	0-46524
Pattern G2	0-44275	0-45433	0-46524

Note:

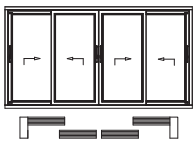
- RC2: for tested patterns please refer to our "System file RC2 Timber".



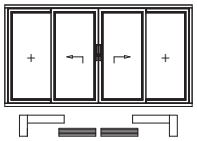
Possible patterns



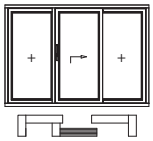
Pattern A



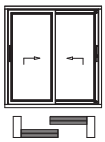
Pattern F



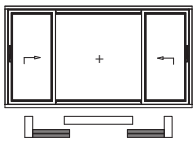
Pattern C



Pattern G2



Pattern D



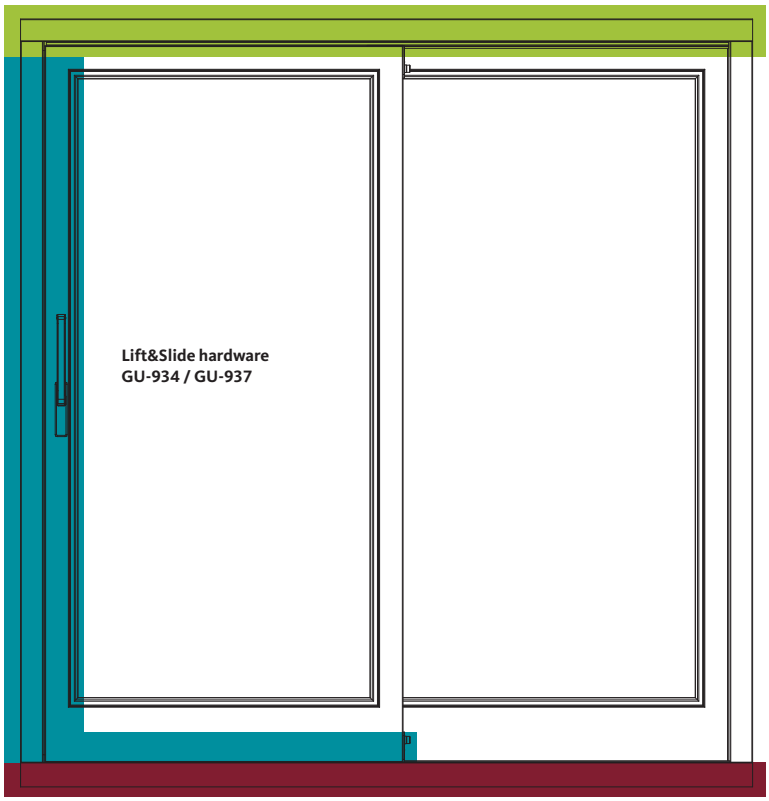
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-timberstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 164	2.2	190

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 164	3.2	297

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

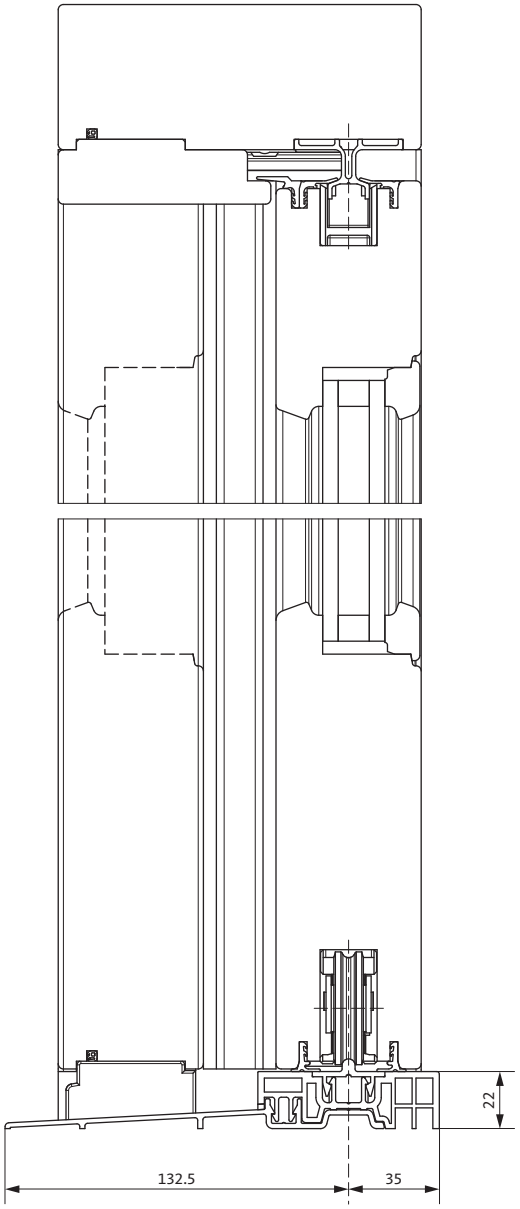
SH : SW = 2.5 : 1

Installation drawings

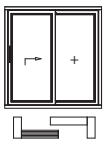
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45432	0-46522
Pattern C	0-44272	0-45432	0-46522
Pattern D	0-44274	0-45432	0-46522
Pattern F	0-44340	0-45432	0-46522
Pattern G2	0-44275	0-45432	0-46522

Note:

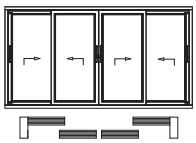
- RC2: for tested patterns please refer to our "System file RC2 Timber".



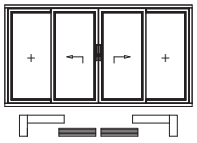
Possible patterns



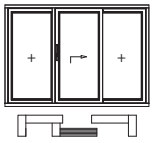
Pattern A



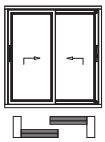
Pattern F



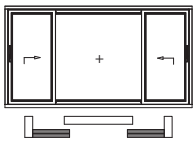
Pattern C



Pattern G2



Pattern D



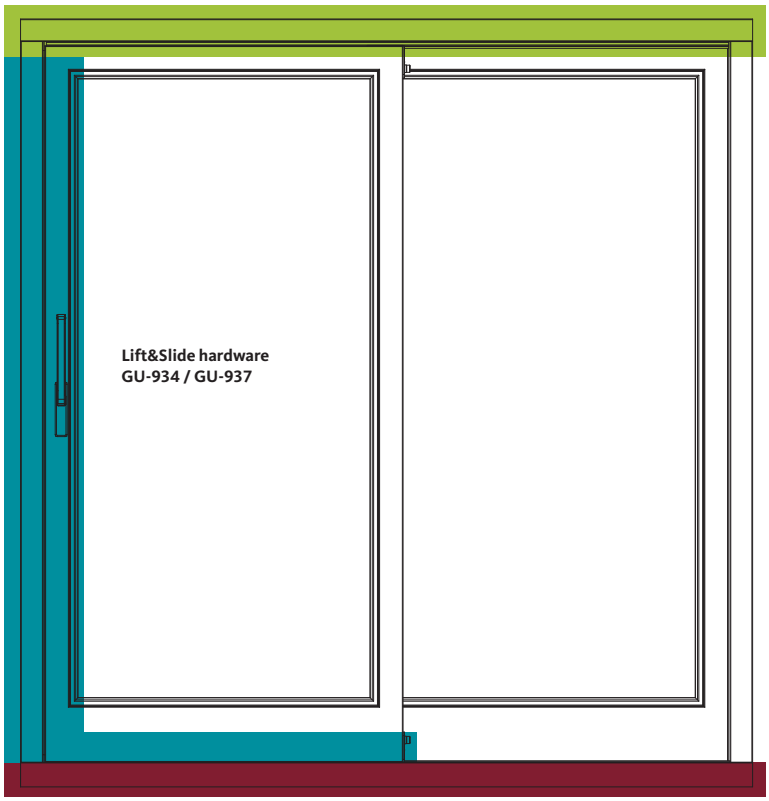
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-flatstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 164	2.2	166

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 164	3.2	280

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

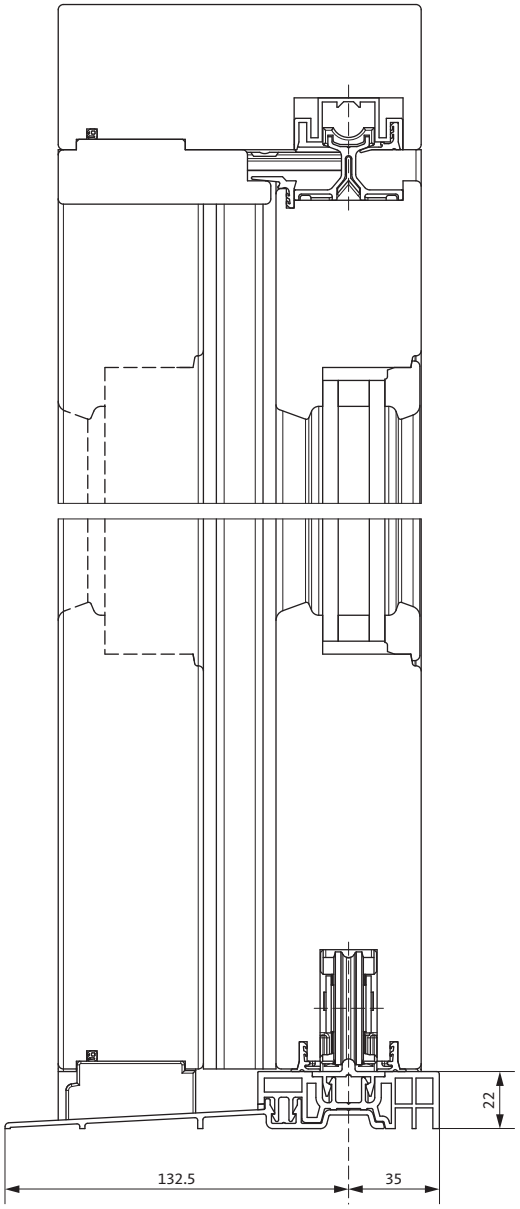
SH : SW = 2.5 : 1

Installation drawings

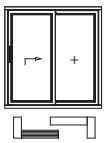
Patterns	Profile system	Threshold	Guide track
Pattern A	0-44269	0-45432	0-46524
Pattern C	0-44272	0-45432	0-46524
Pattern D	0-44274	0-45432	0-46524
Pattern F	0-44340	0-45432	0-46524
Pattern G2	0-44275	0-45432	0-46524

Note:

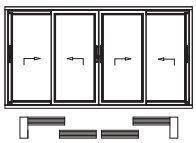
- RC2: for tested patterns please refer to our "System file RC2 Timber".



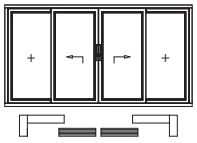
Possible patterns



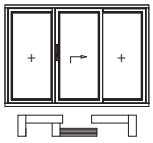
Pattern A



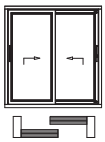
Pattern F



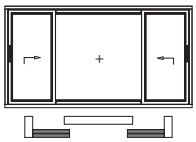
Pattern C



Pattern G2



Pattern D



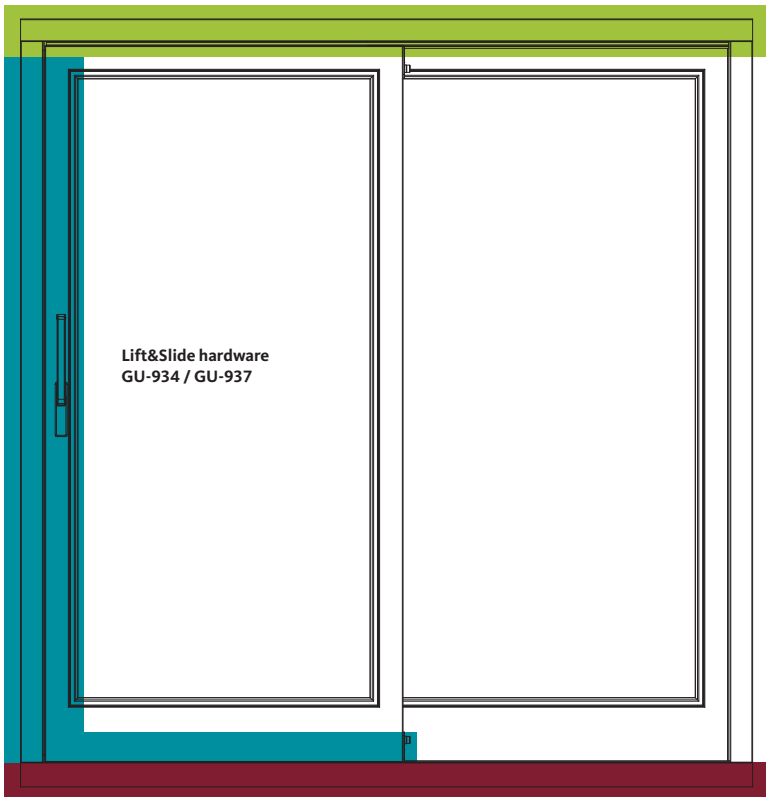
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-flatstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 164	2.2	166

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 164	3.2	280

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-thermostep 164

Sash distance 10 mm, guide track P 1786

RC2

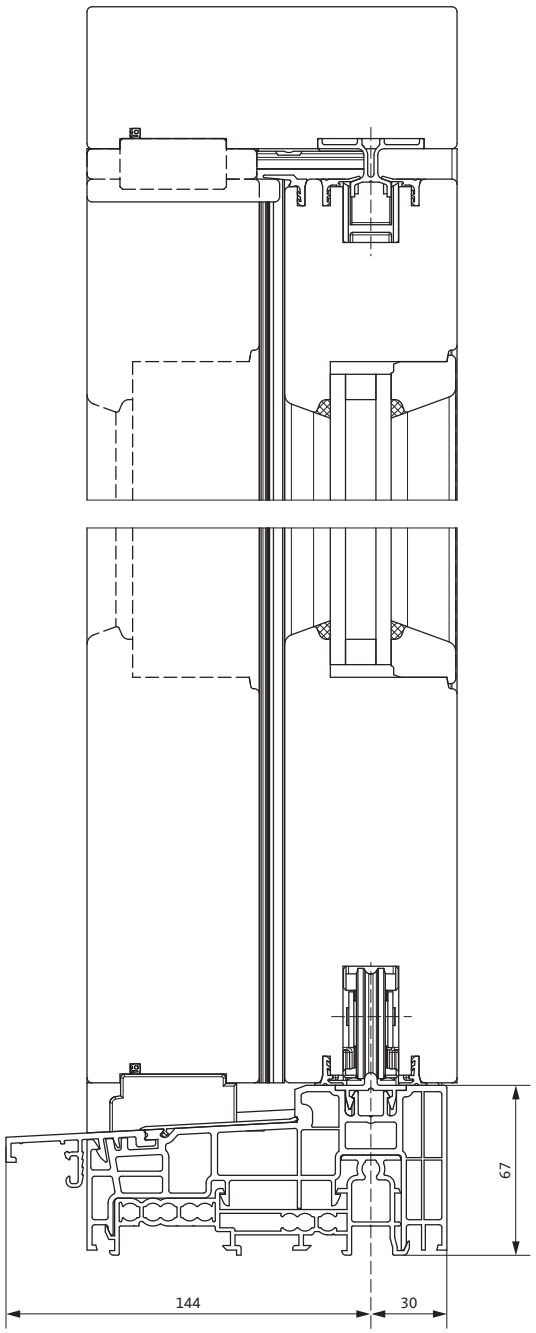
Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

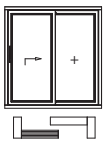
Patterns	Profile system, threshold	Guide track
Pattern A	0-44271	0-46522
Pattern C	0-44273	0-46522
Pattern G2	0-44276	0-46522



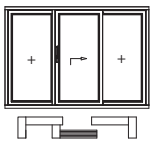
Note:

- RC2: for tested patterns please refer to our "System file RC2 Timber".

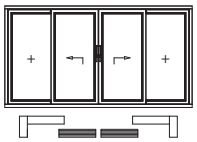
Possible patterns



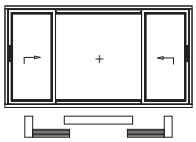
Pattern A



Pattern G2



Pattern C



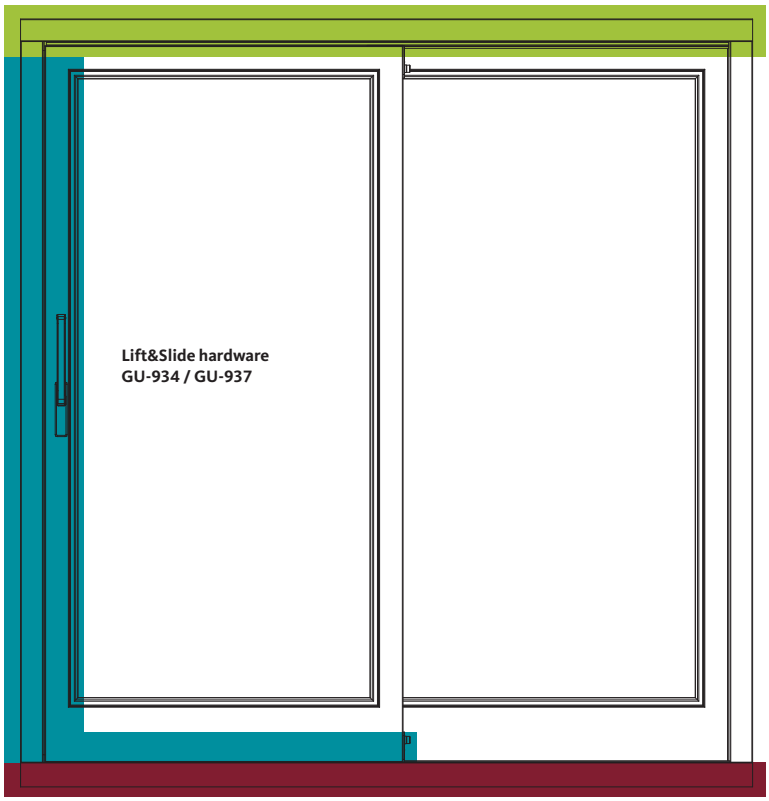
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 10 mm, guide track P 1786

P 1786 guide track



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	134

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

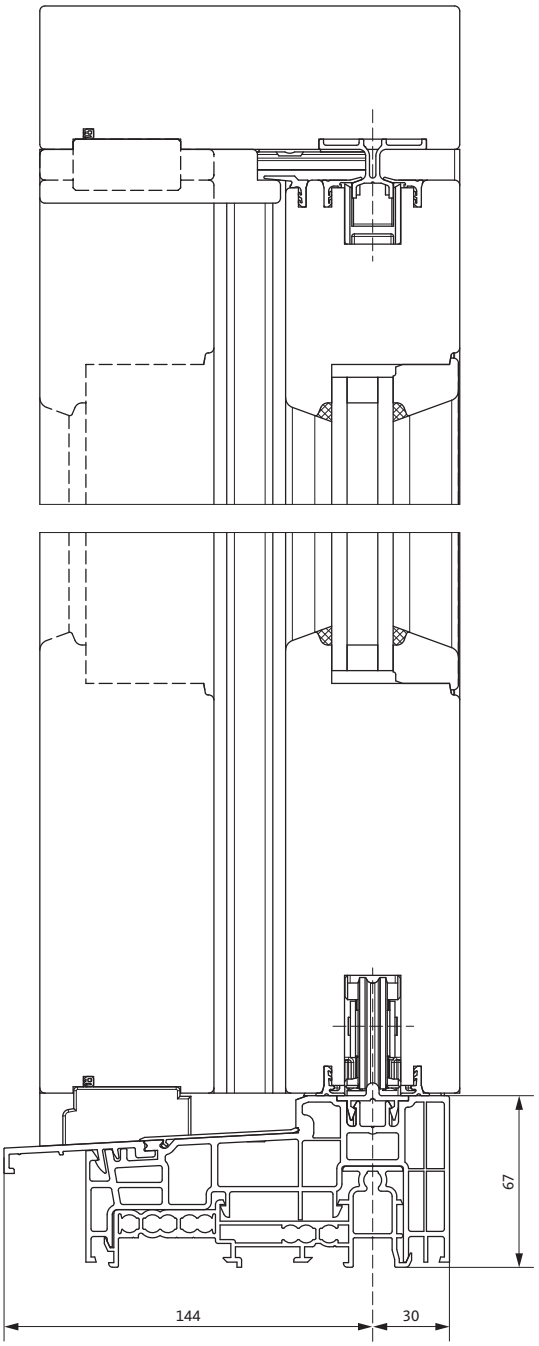
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

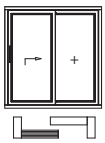
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

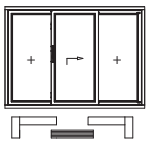
- RC2: for tested patterns please refer to our "System file RC2 Timber".



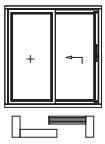
Possible patterns



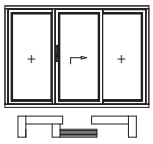
Pattern A



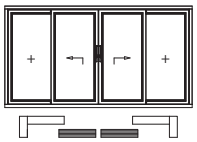
Pattern G1



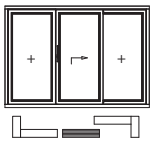
Pattern A3



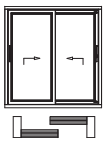
Pattern G2



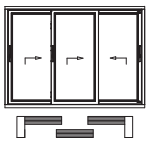
Pattern C



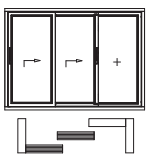
Pattern G3



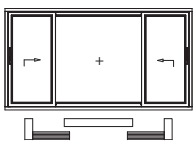
Pattern D



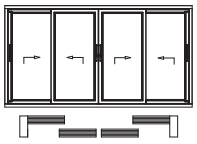
Pattern H



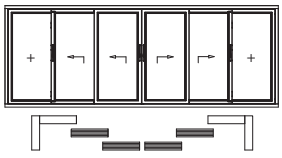
Pattern E



Pattern K



Pattern F



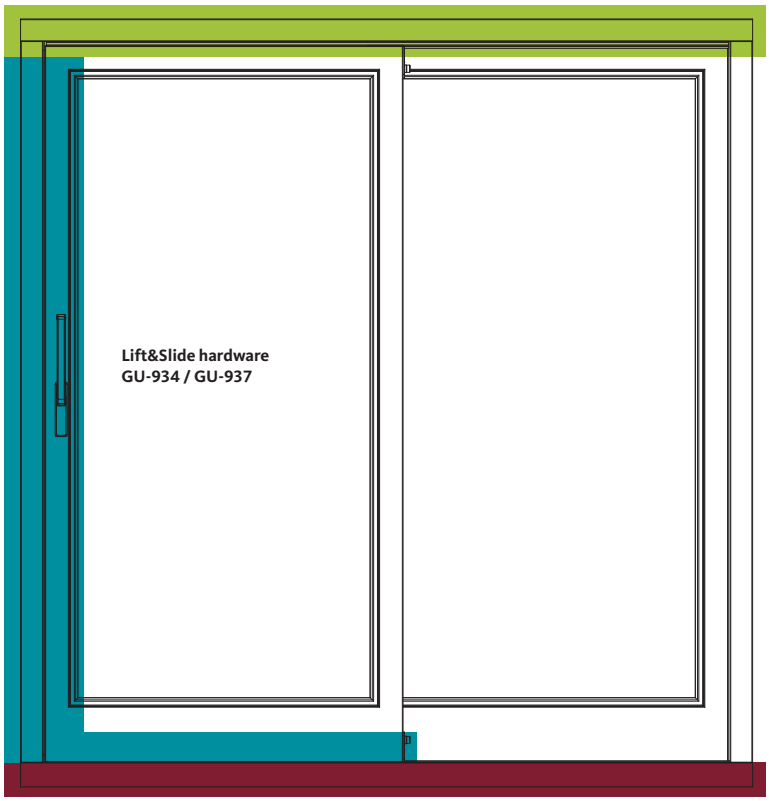
Pattern L

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	140

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

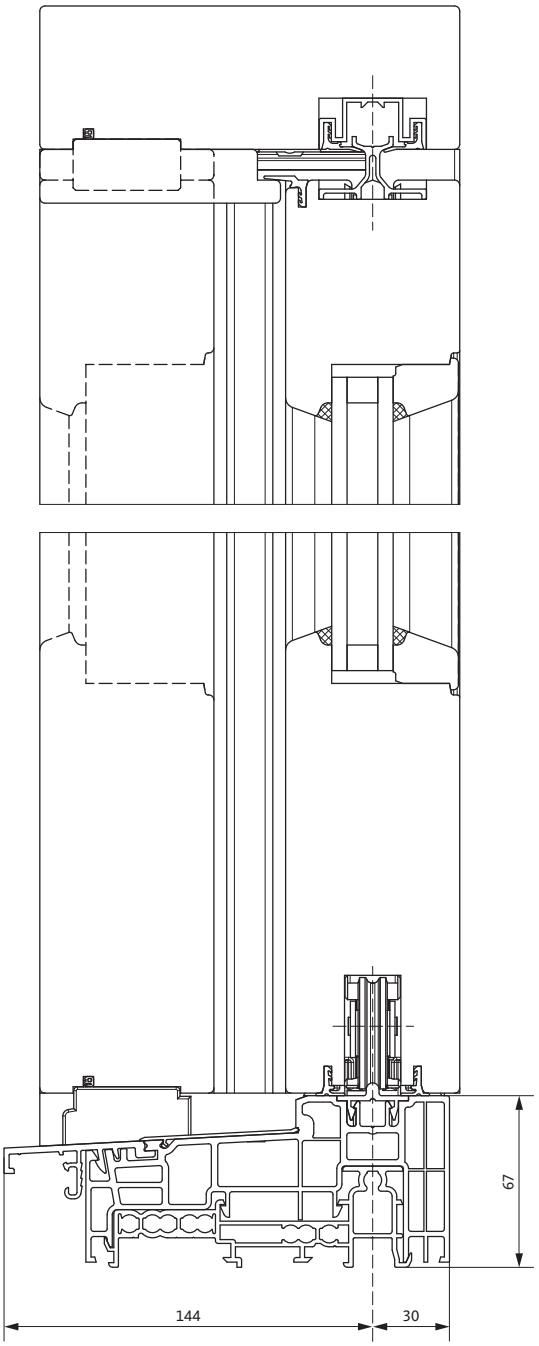
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

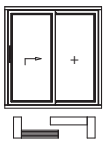
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

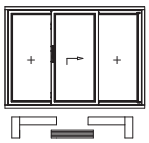
- RC2: for tested patterns please refer to our "System file RC2 Timber".



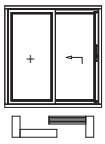
Possible patterns



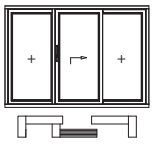
Pattern A



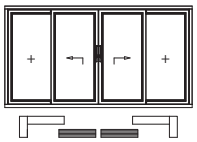
Pattern G1



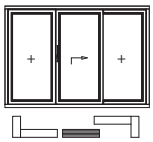
Pattern A3



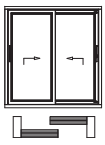
Pattern G2



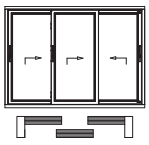
Pattern C



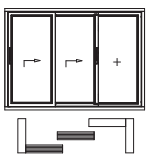
Pattern G3



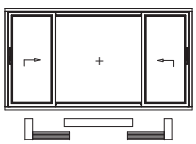
Pattern D



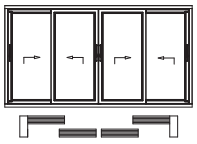
Pattern H



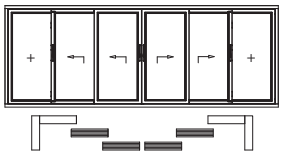
Pattern E



Pattern K



Pattern F



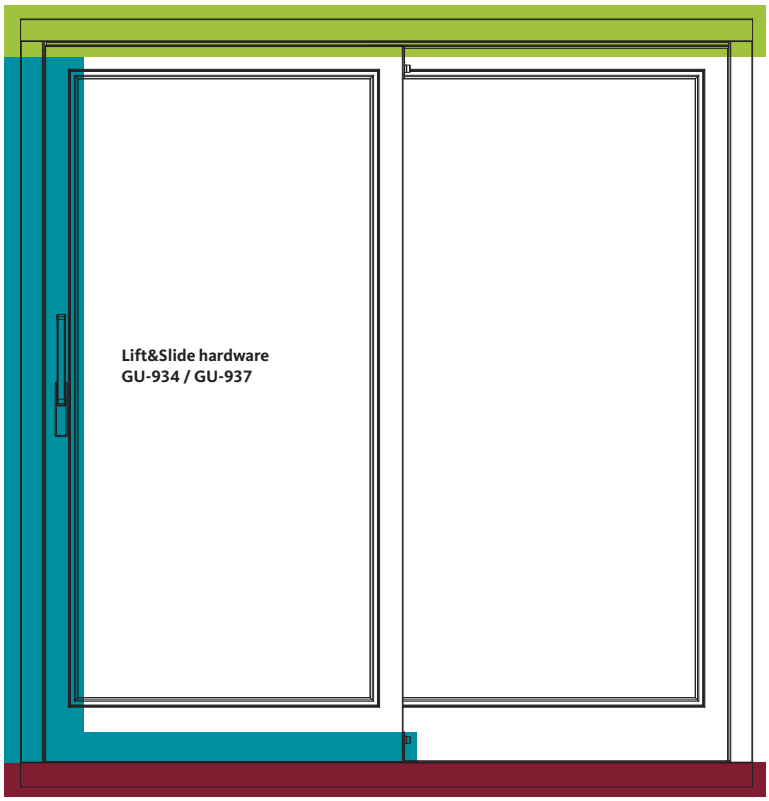
Pattern L

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-thermostep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 164	2.2	140

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 164	3.2	242

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786

GU

RC2

Application ranges

Sash widths / sash heights / sash weights

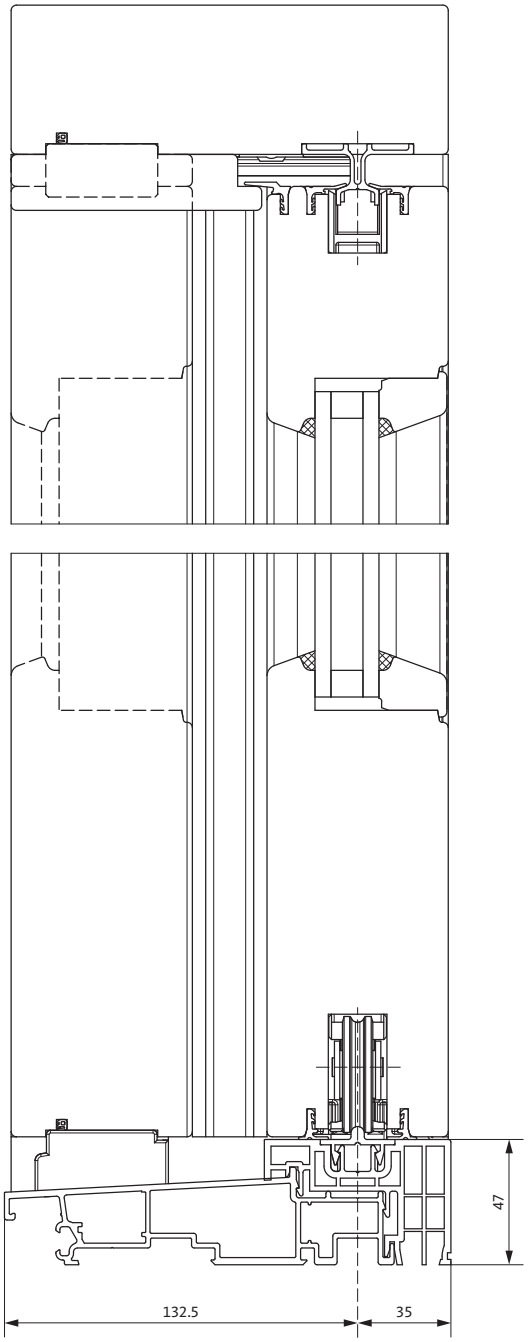
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

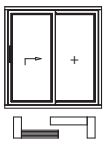
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

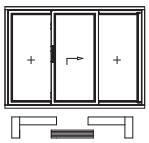
- RC2: for tested patterns please refer to our "System file RC2 Timber".



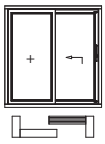
Possible patterns



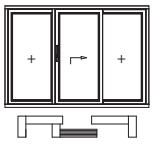
Pattern A



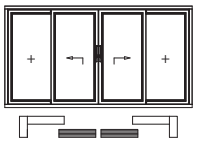
Pattern G1



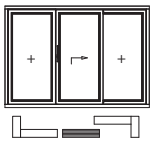
Pattern A3



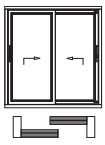
Pattern G2



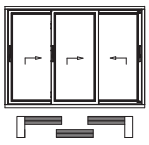
Pattern C



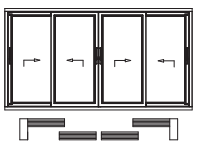
Pattern G3



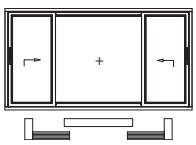
Pattern D



Pattern H



Pattern F



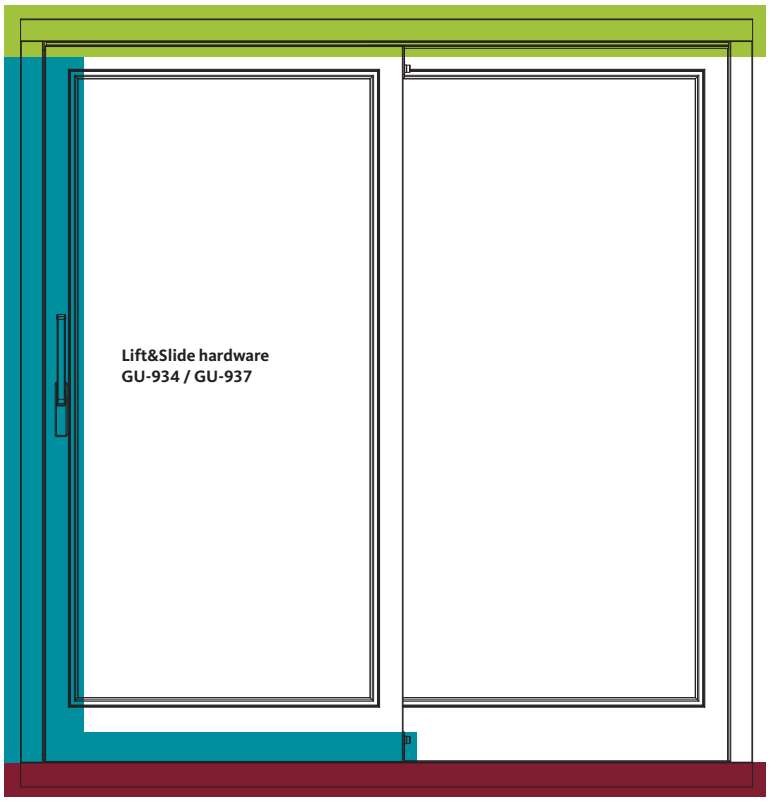
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-threshold 47 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-threshold 47	2.2	150

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-threshold 47	3.2	262

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850

GU

RC2

Application ranges

Sash widths / sash heights / sash weights

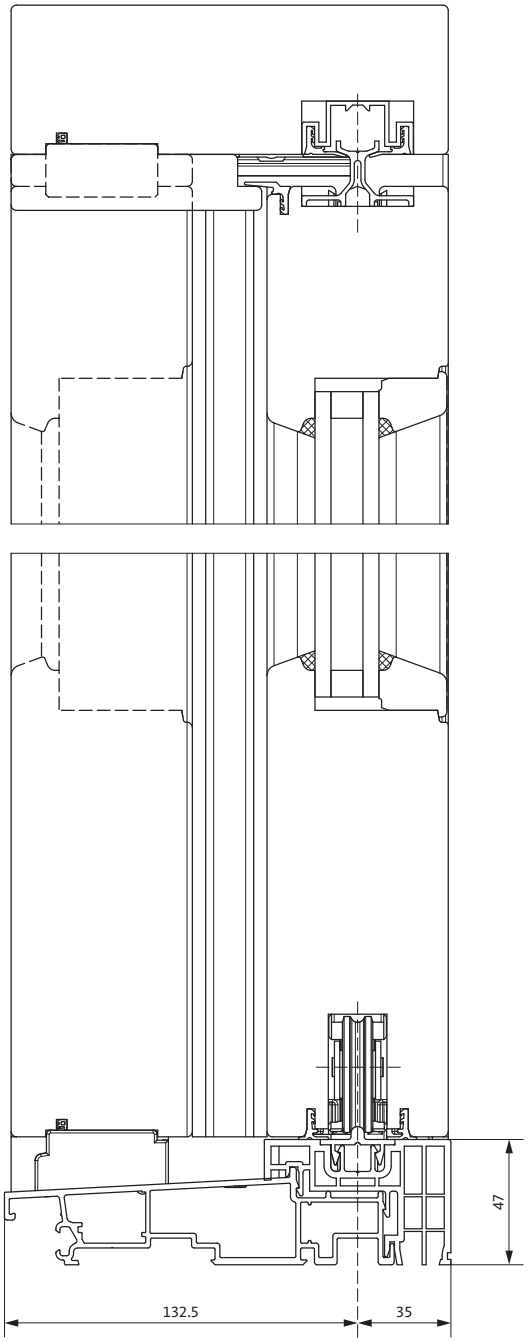
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

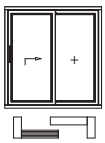
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

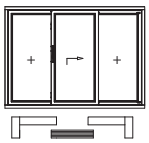
- RC2: for tested patterns please refer to our "System file RC2 Timber".



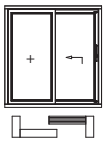
Possible patterns



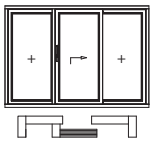
Pattern A



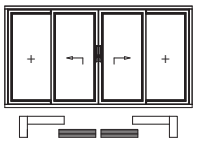
Pattern G1



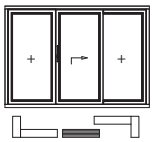
Pattern A3



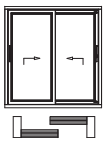
Pattern G2



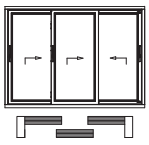
Pattern C



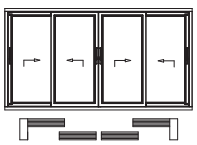
Pattern G3



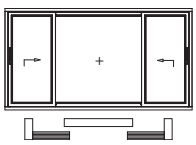
Pattern D



Pattern H



Pattern F



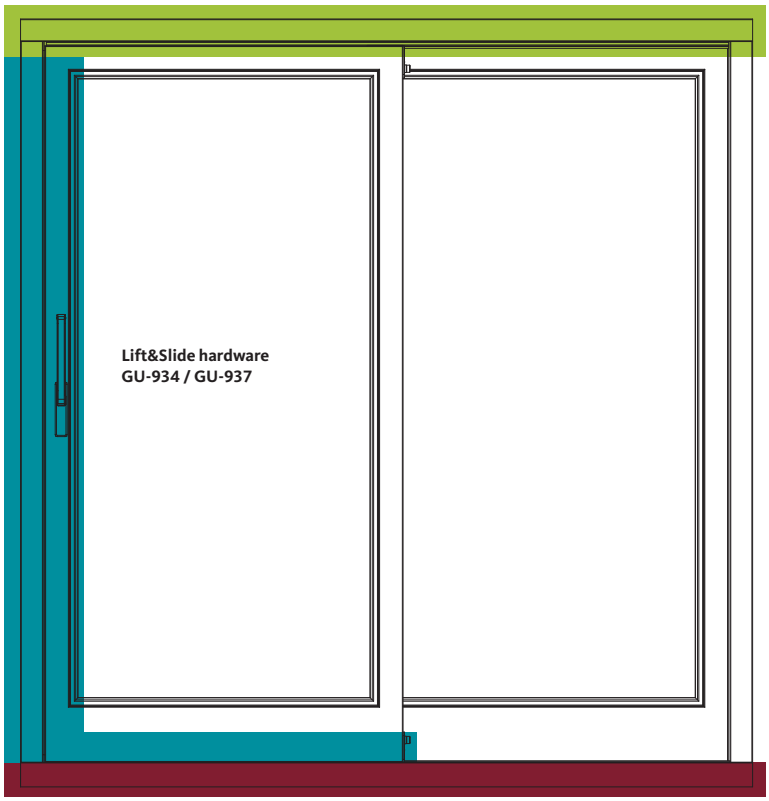
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-threshold 47 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-threshold 47	2.2	150

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-threshold 47	3.2	262

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

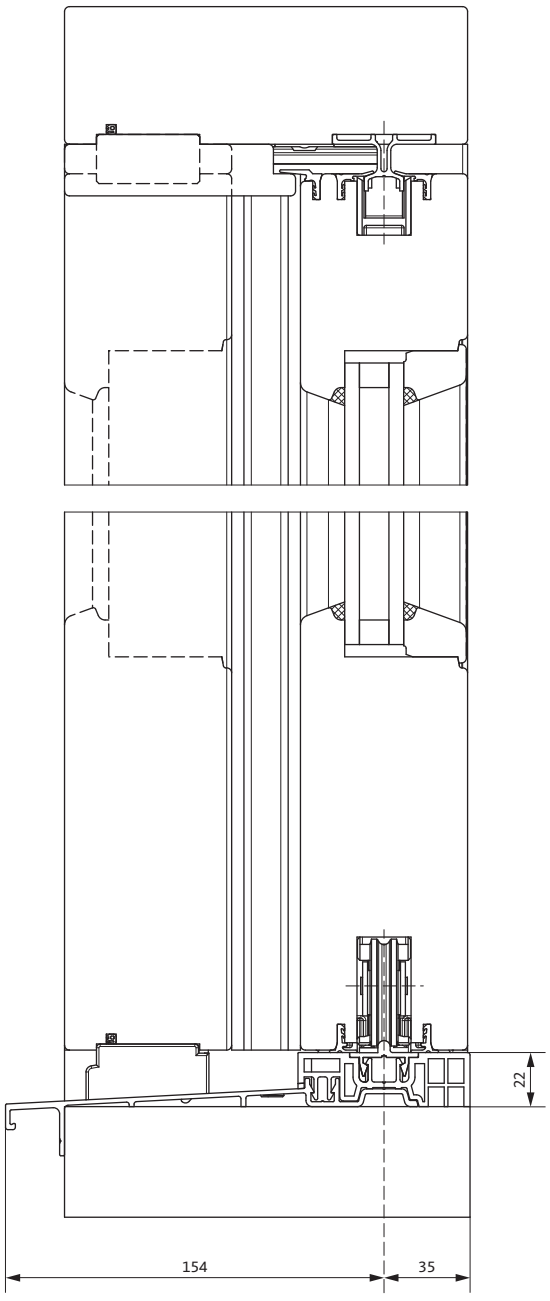
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

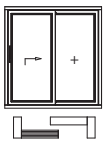
Patterns	Profile system, guide track	Threshold
All patterns	0-45338	0-45433

Note:

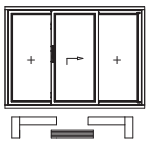
- RC2: for tested patterns please refer to our "System file RC2 Timber".



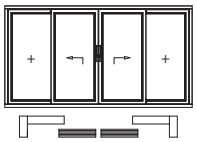
Possible patterns



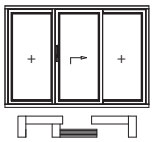
Pattern A



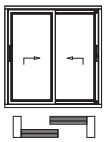
Pattern G1



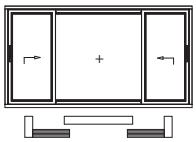
Pattern C



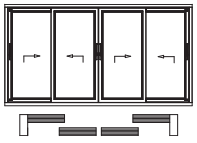
Pattern G2



Pattern D



Pattern K



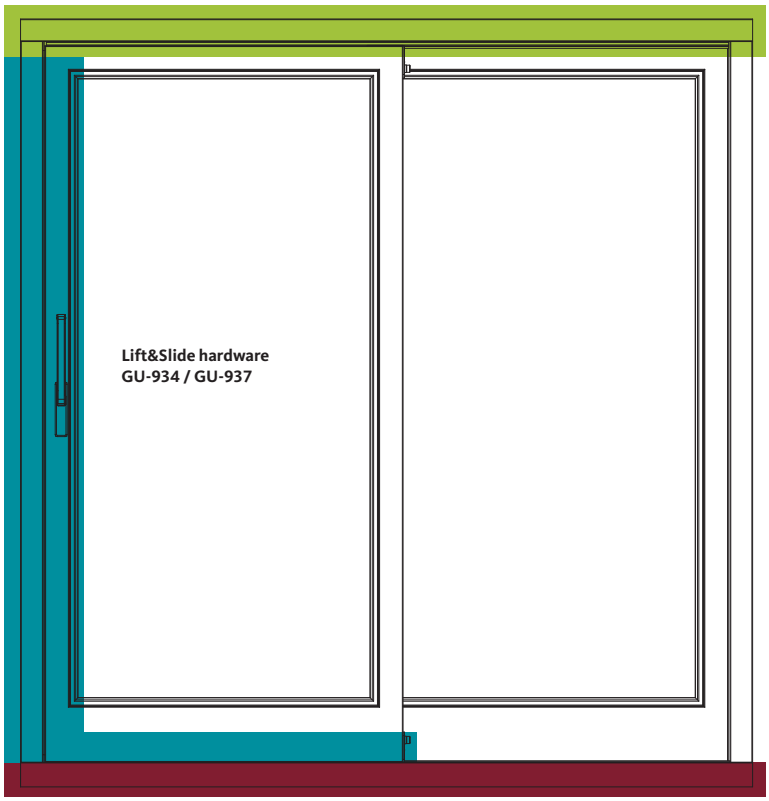
Pattern F

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-timberstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 164	2.2	194

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 164	3.2	297

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

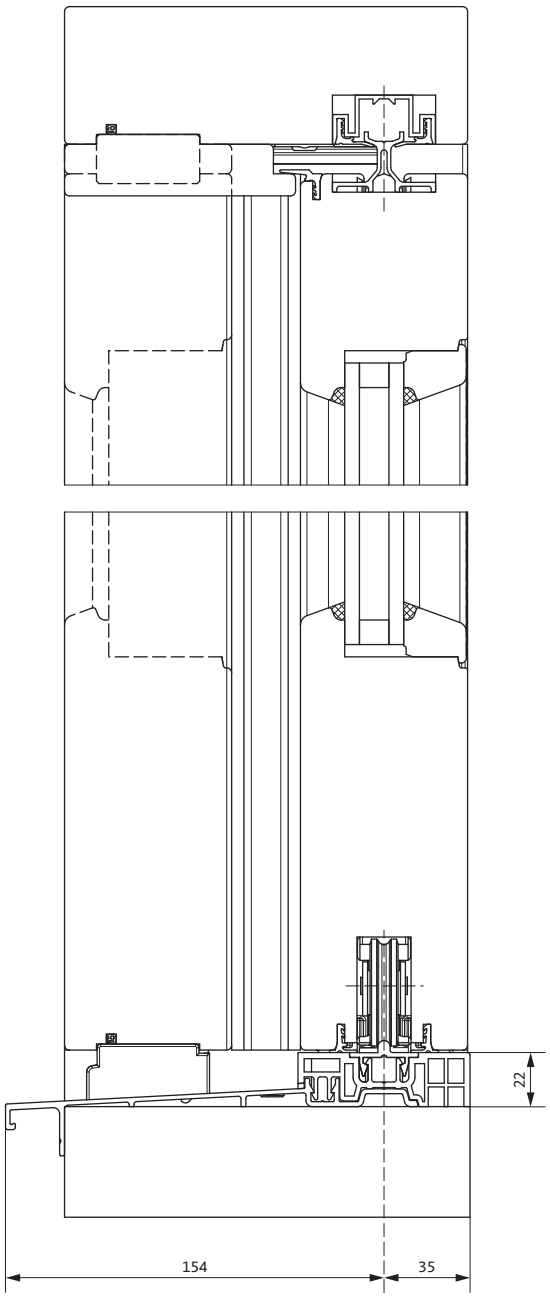
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

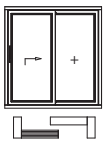
Patterns	Profile system	Threshold	Guide track
All patterns	0-45338	0-45433	0-46523

Note:

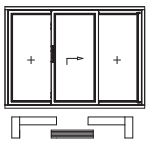
- RC2: for tested patterns please refer to our "System file RC2 Timber".



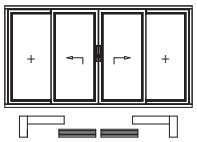
Possible patterns



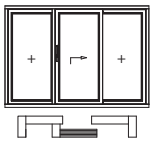
Pattern A



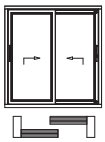
Pattern G1



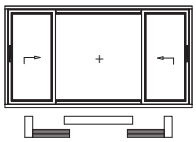
Pattern C



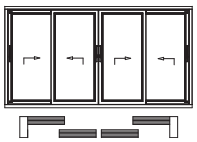
Pattern G2



Pattern D



Pattern K



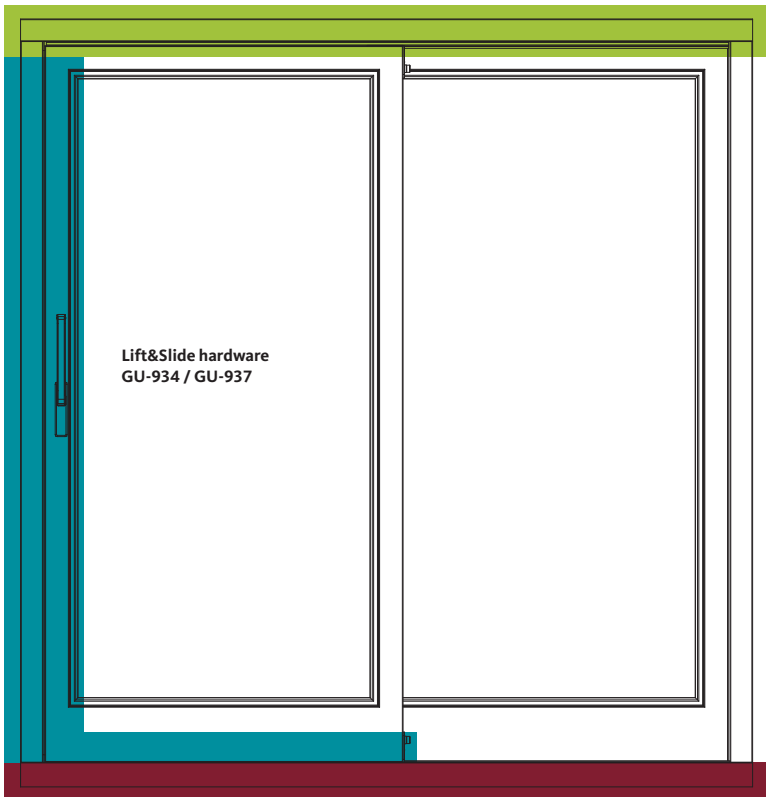
Pattern F

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-timberstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 164	2.2	194

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 164	3.2	297

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

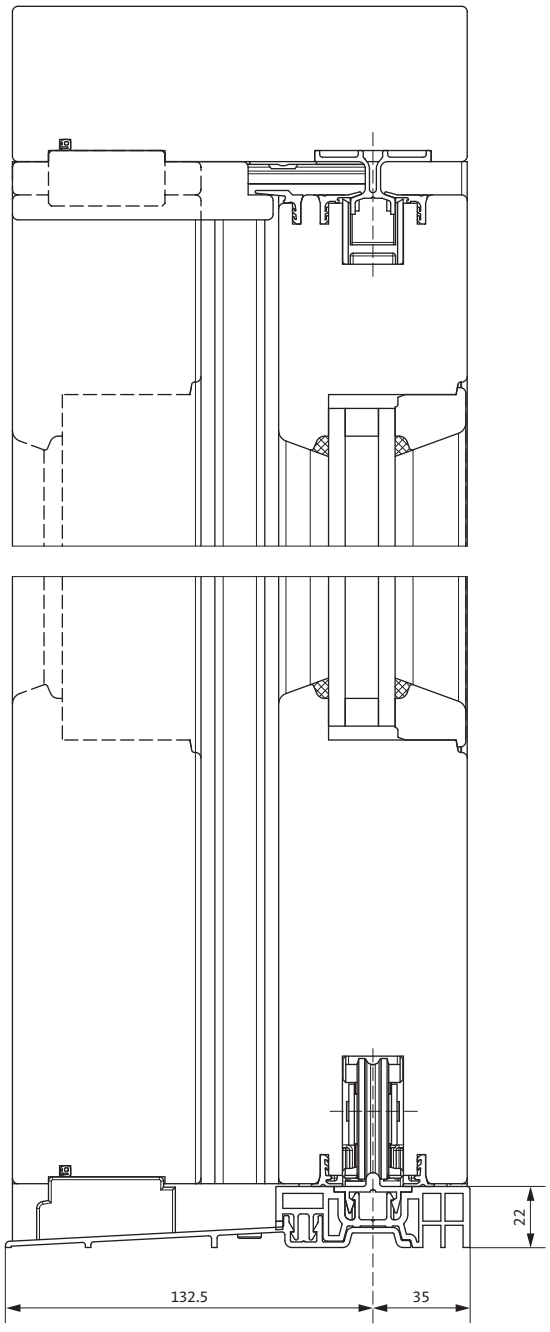
SH : SW = 2.5 : 1

Installation drawings

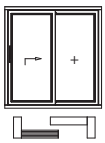
Patterns	Profile system, threshold, guide track
All patterns	0-45338

Note:

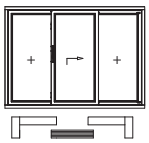
- RC2: for tested patterns please refer to our "System file RC2 Timber".



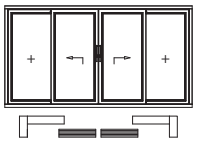
Possible patterns



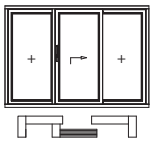
Pattern A



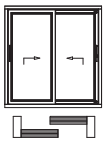
Pattern G1



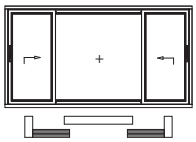
Pattern C



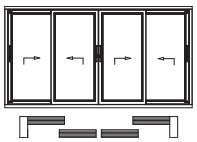
Pattern G2



Pattern D



Pattern K



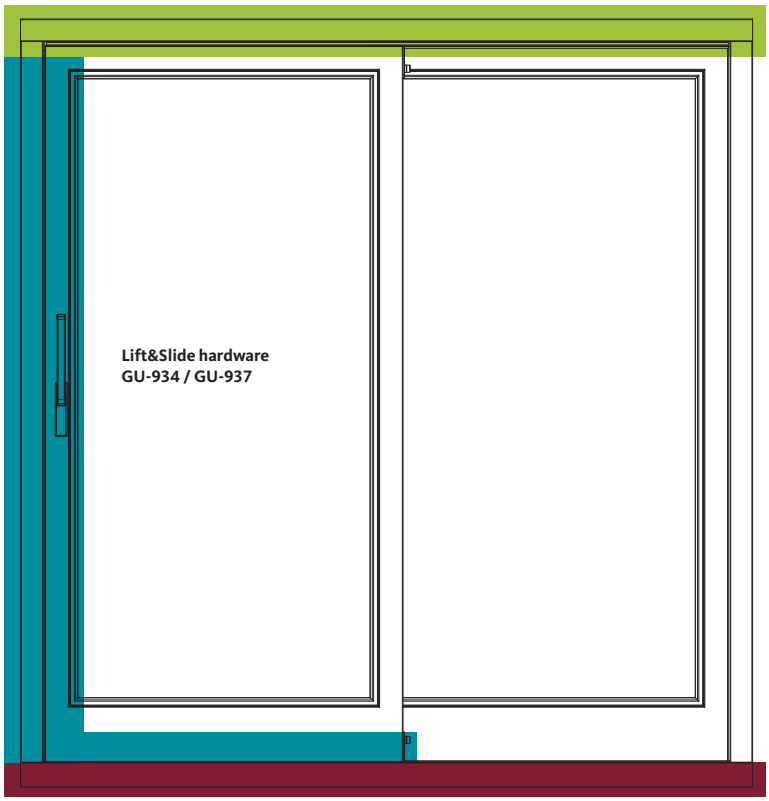
Pattern F

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-flatstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 164	2.2	170

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 164	3.2	280

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

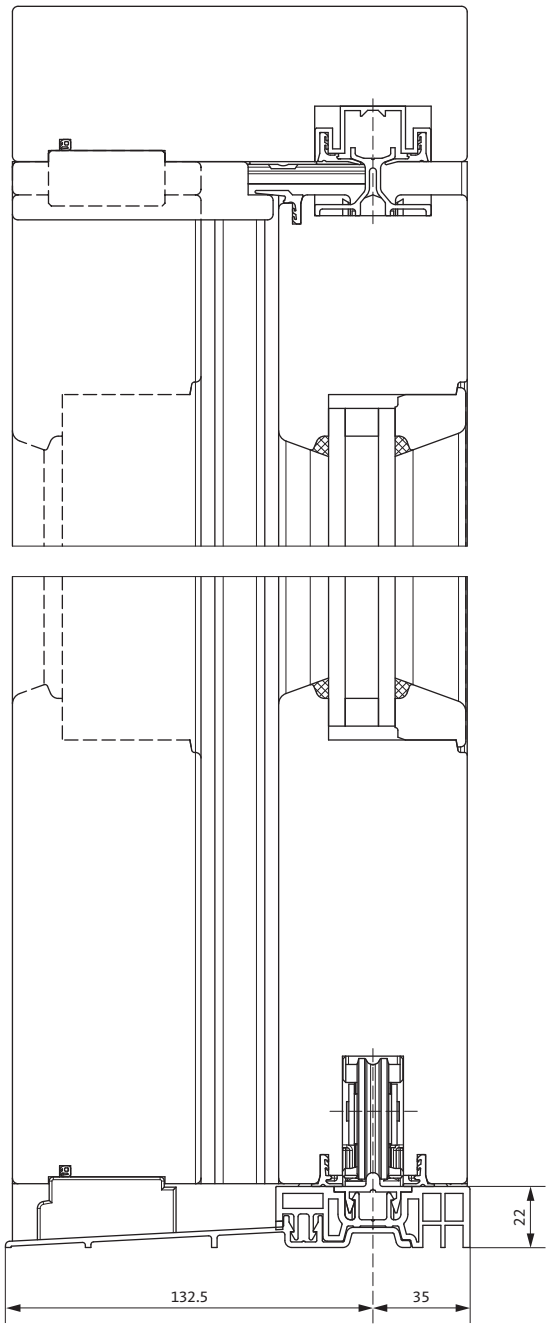
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

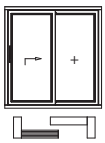
Patterns	Profile system, threshold	Guide track
All patterns	0-45338	0-46523

Note:

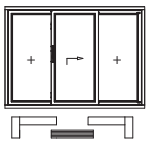
- RC2: for tested patterns please refer to our "System file RC2 Timber".



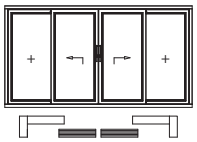
Possible patterns



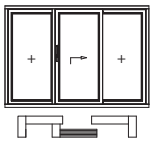
Pattern A



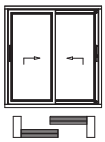
Pattern G1



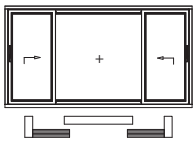
Pattern C



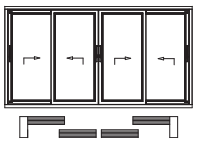
Pattern G2



Pattern D



Pattern K



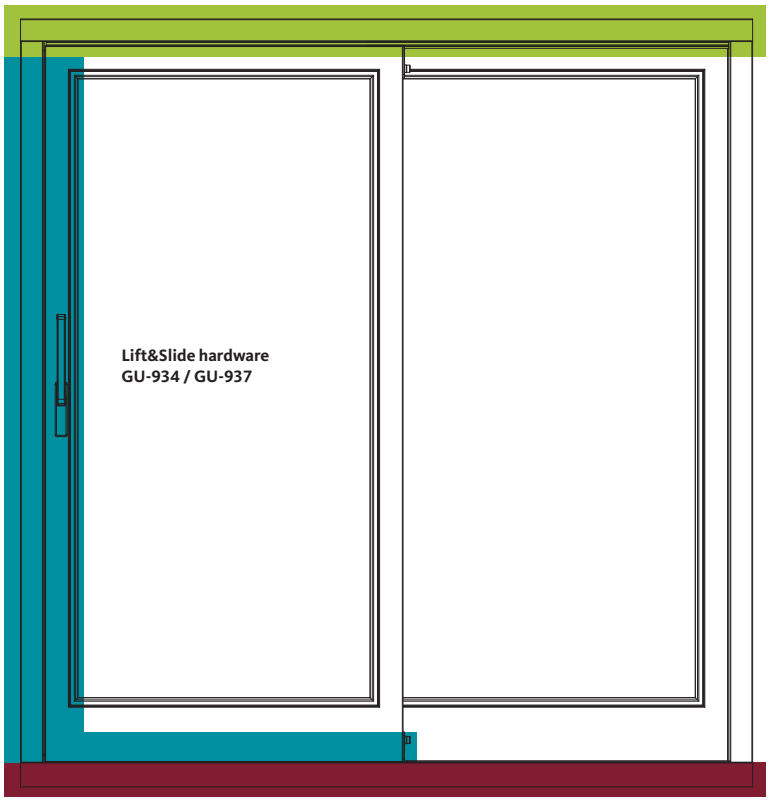
Pattern F

You can find more detailed information about this on page 485.

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-flatstep 164 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 164	2.2	170

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 164	3.2	280

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

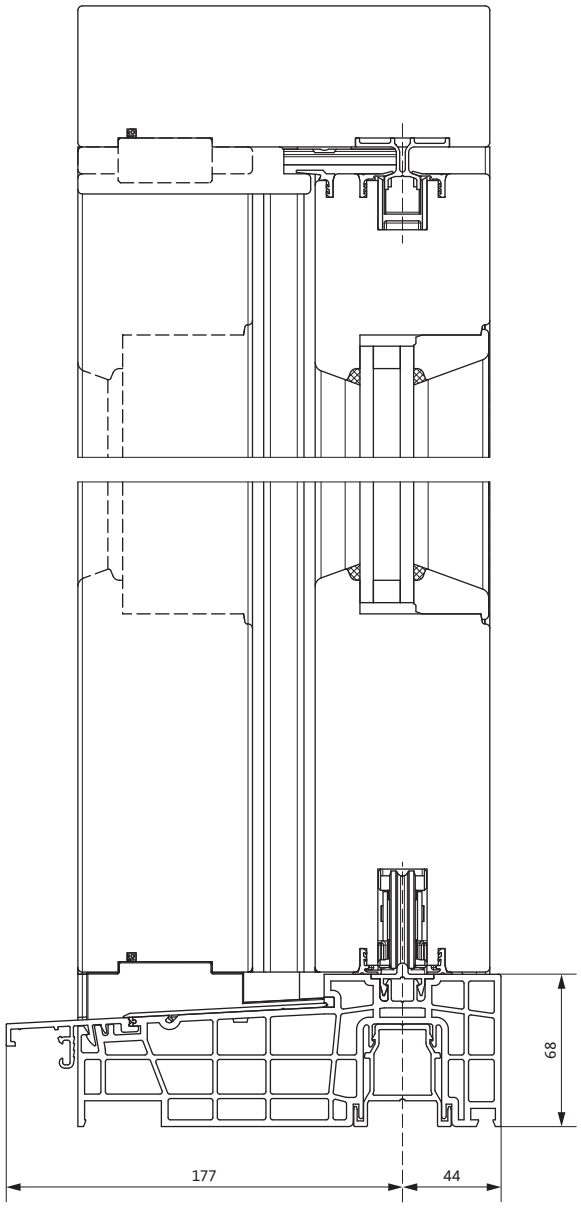
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

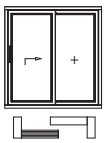
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

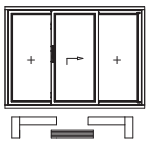
- RC2: for tested patterns please refer to our "System file RC2 Timber".



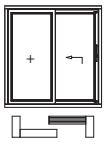
Possible patterns



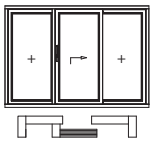
Pattern A



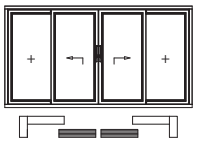
Pattern G1



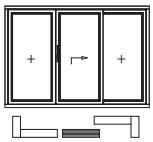
Pattern A3



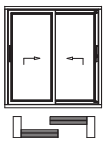
Pattern G2



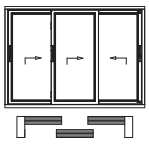
Pattern C



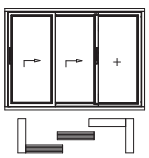
Pattern G3



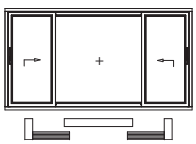
Pattern D



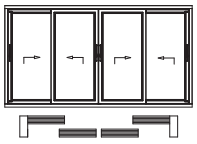
Pattern H



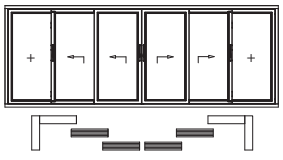
Pattern E



Pattern K



Pattern F



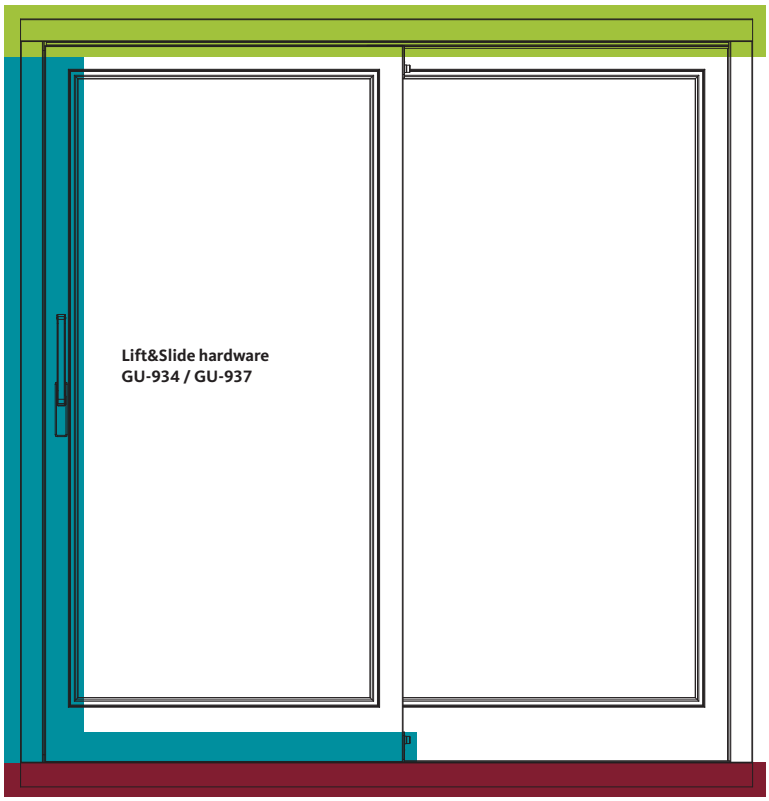
Pattern L

You can find more detailed information about this on page 485.

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	112

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

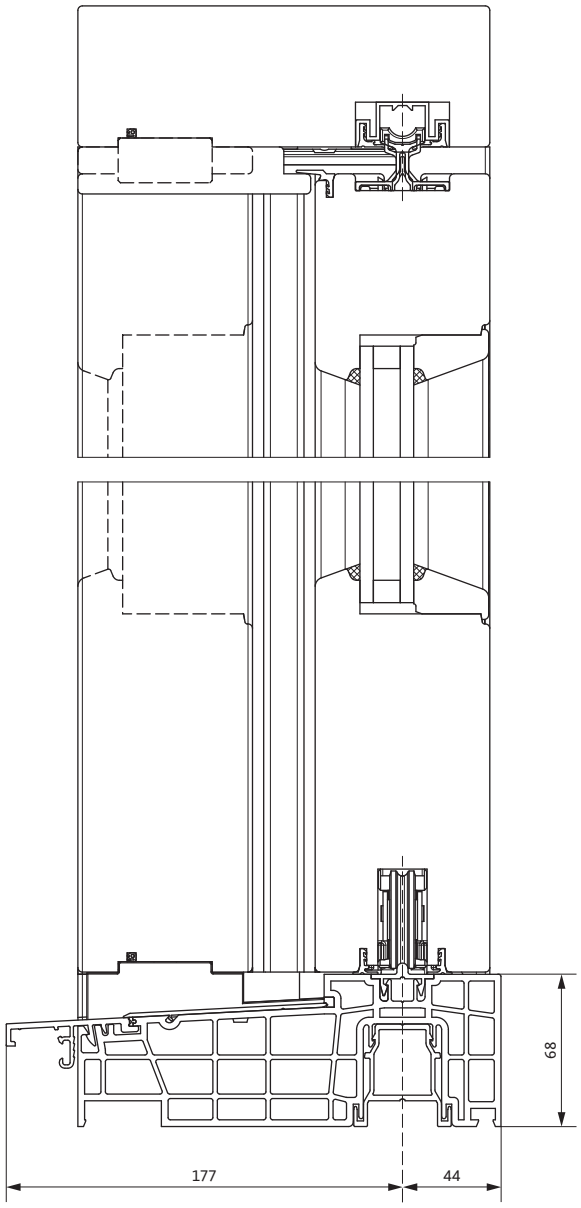
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

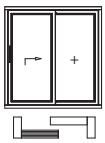
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

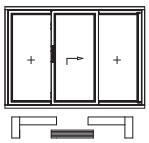
- RC2: for tested patterns please refer to our "System file RC2 Timber".



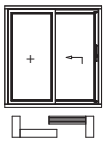
Possible patterns



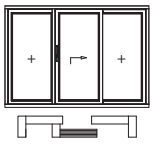
Pattern A



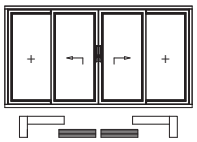
Pattern G1



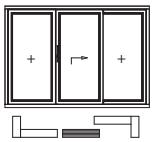
Pattern A3



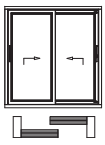
Pattern G2



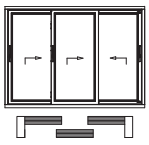
Pattern C



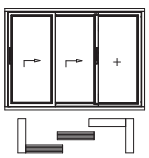
Pattern G3



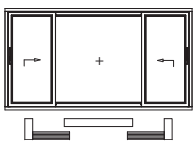
Pattern D



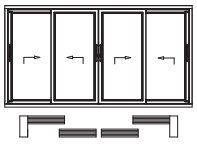
Pattern H



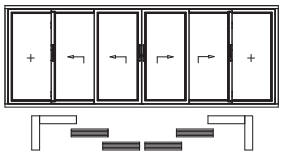
Pattern E



Pattern K



Pattern F



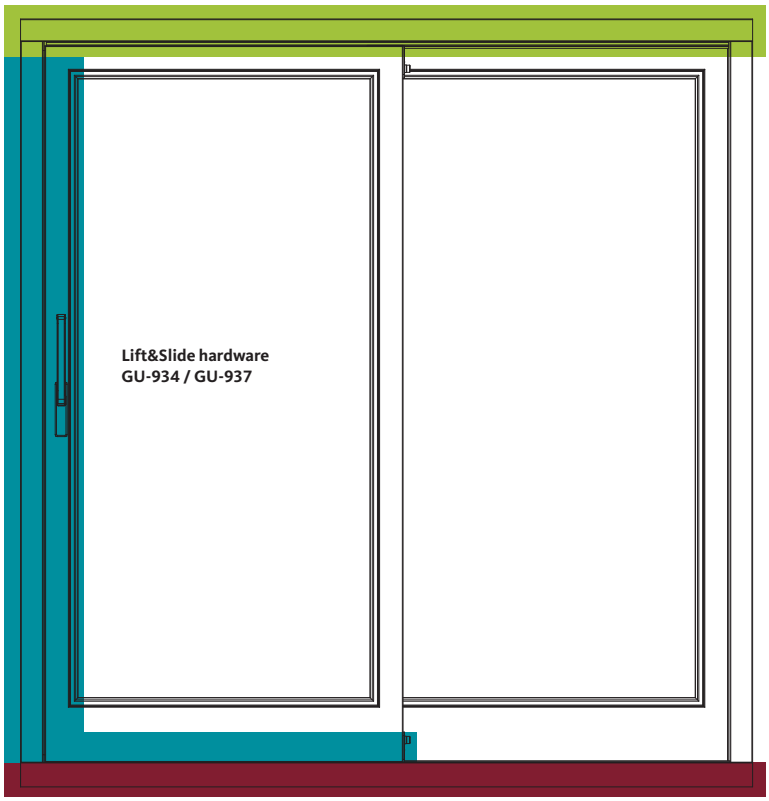
Pattern L

You can find more detailed information about this on page 485.

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	112

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

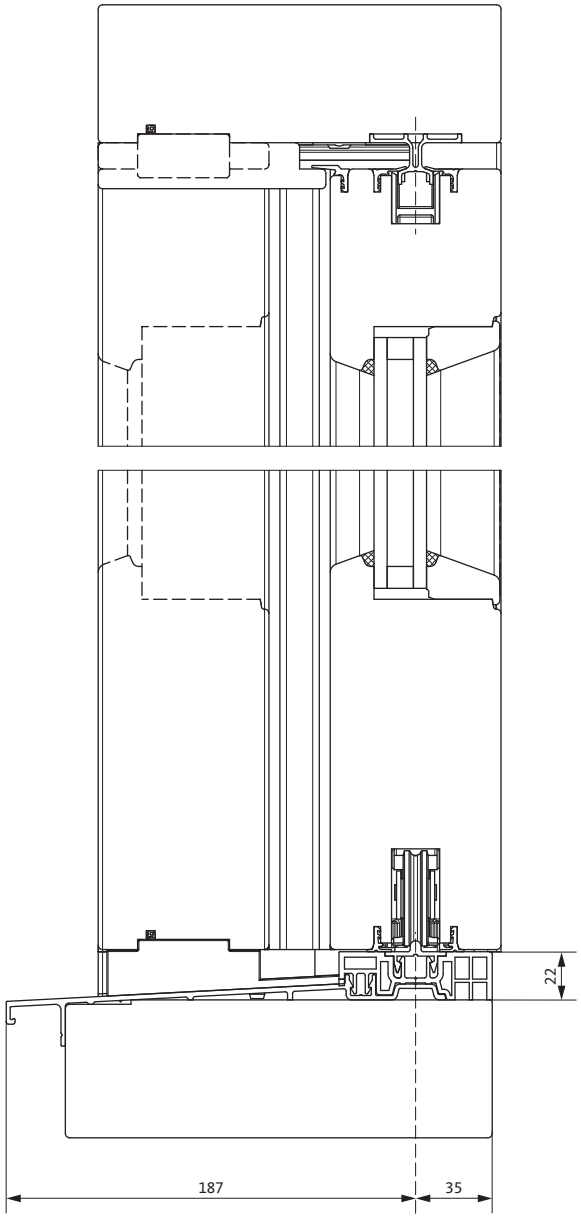
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

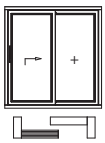
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

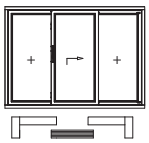
- RC2: for tested patterns please refer to our "System file RC2 Timber".



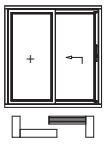
Possible patterns



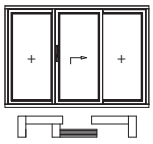
Pattern A



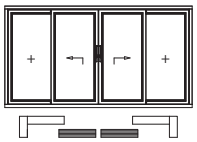
Pattern G1



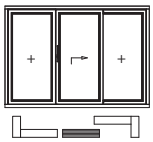
Pattern A3



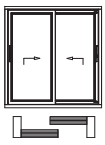
Pattern G2



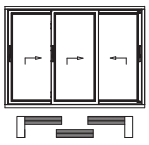
Pattern C



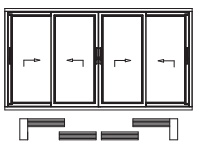
Pattern G3



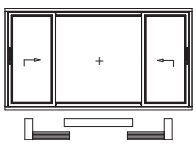
Pattern D



Pattern H



Pattern F



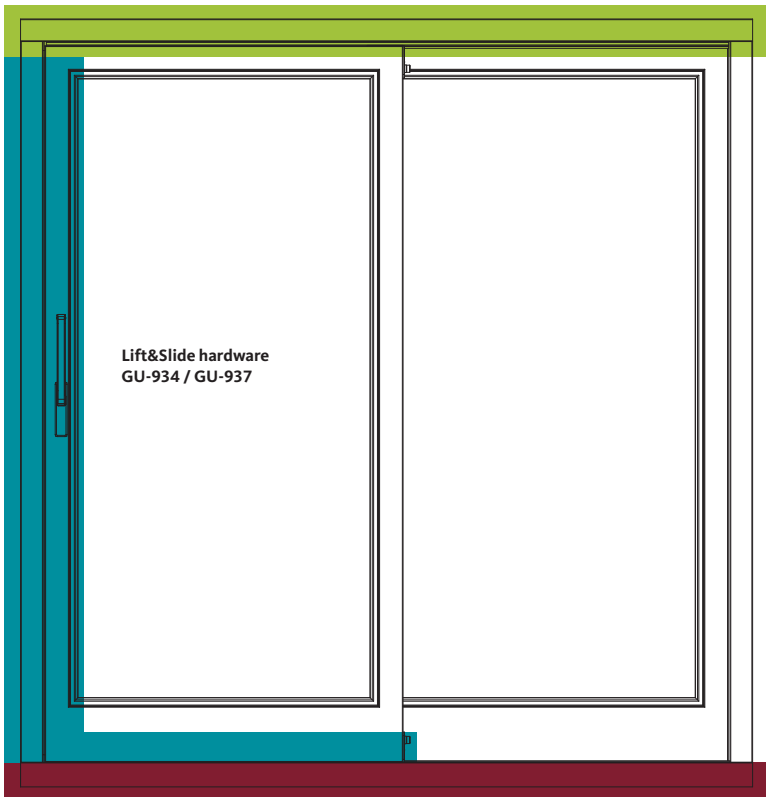
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	174

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

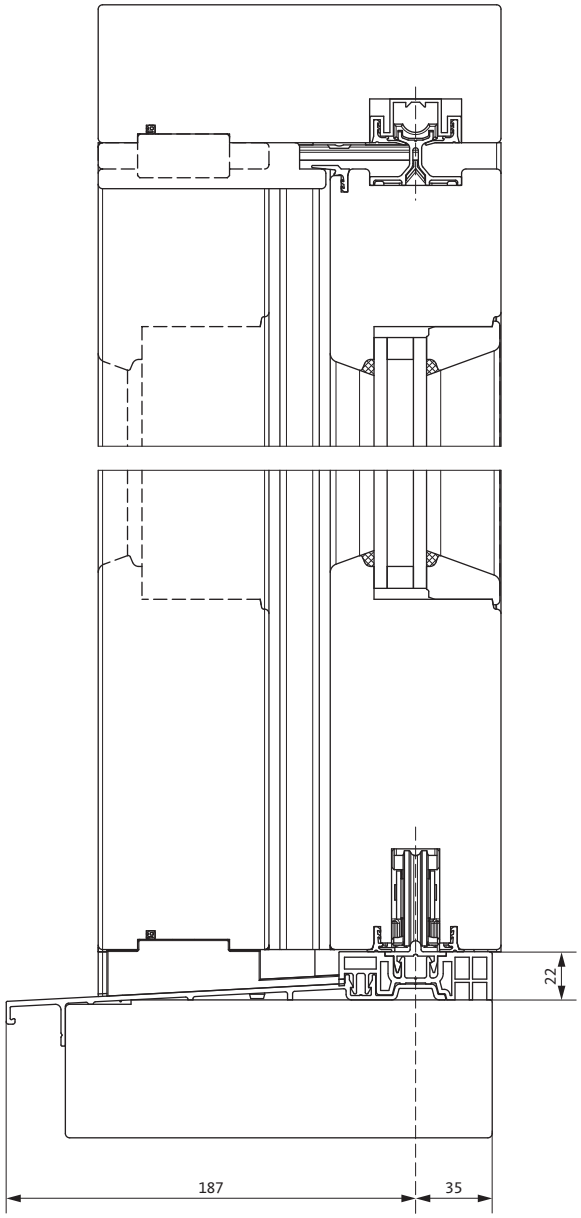
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

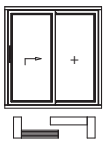
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

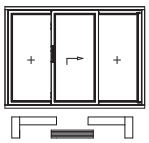
- RC2: for tested patterns please refer to our "System file RC2 Timber".



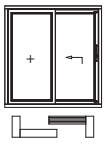
Possible patterns



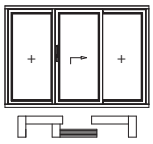
Pattern A



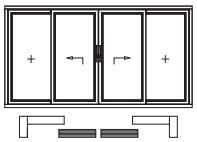
Pattern G1



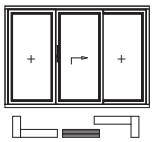
Pattern A3



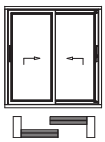
Pattern G2



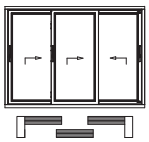
Pattern C



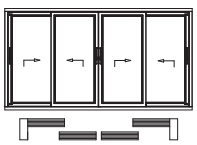
Pattern G3



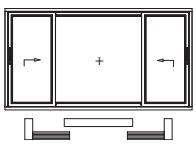
Pattern D



Pattern H



Pattern F



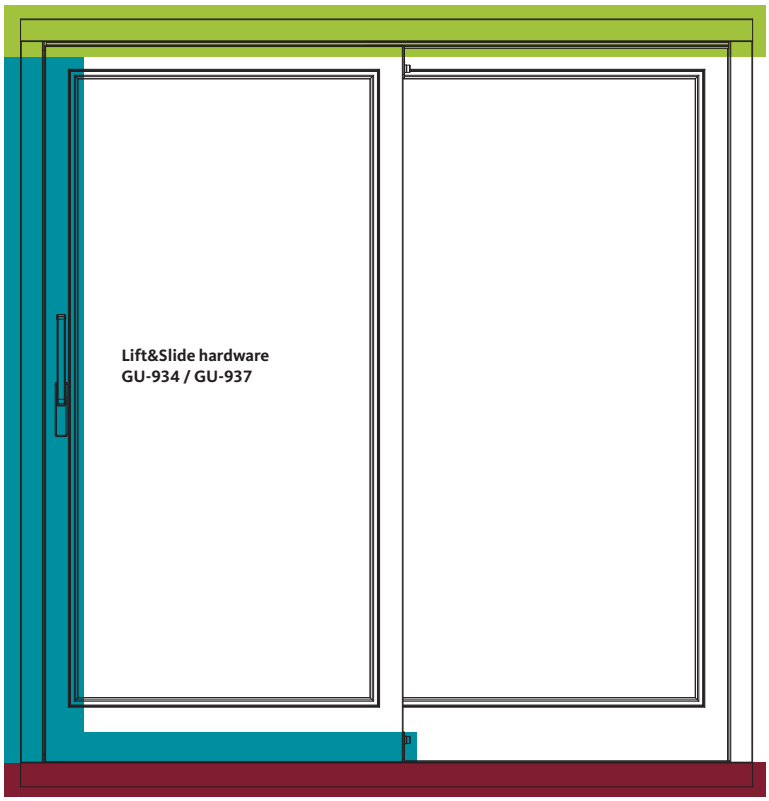
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	174

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

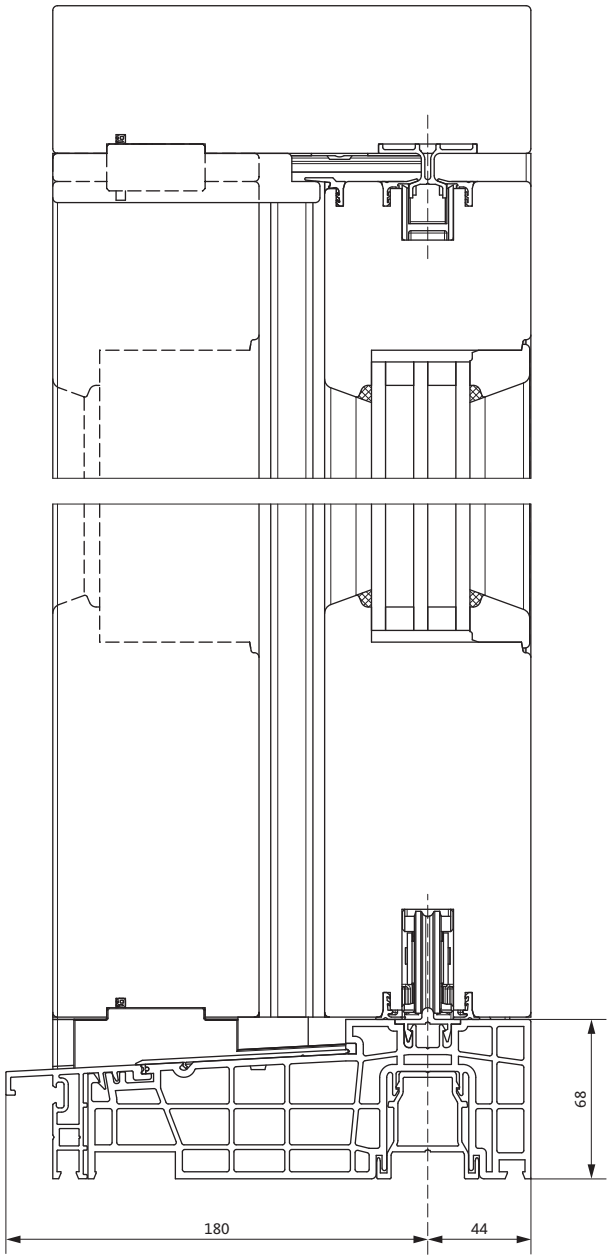
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

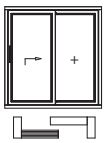
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

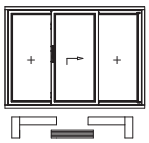
- RC2: for tested patterns please refer to our "System file RC2 Timber".



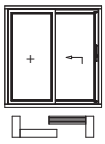
Possible patterns



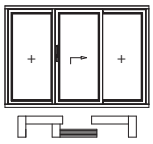
Pattern A



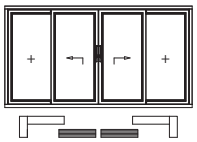
Pattern G1



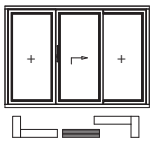
Pattern A3



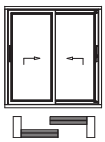
Pattern G2



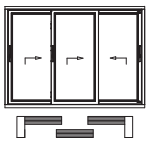
Pattern C



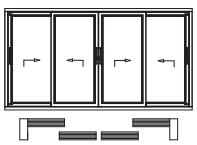
Pattern G3



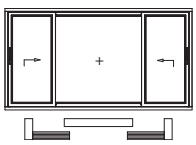
Pattern D



Pattern H



Pattern F



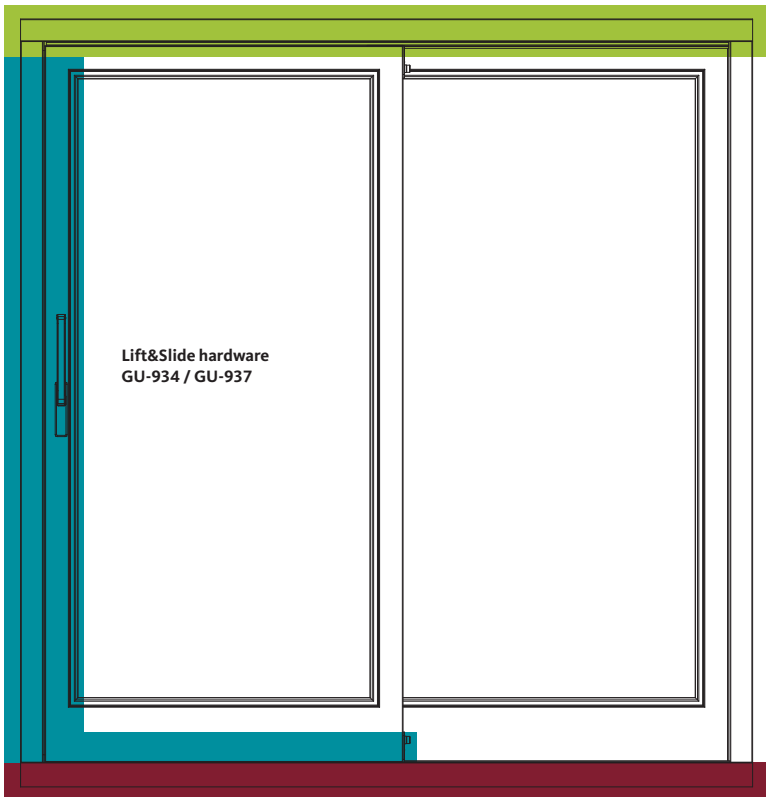
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	118

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

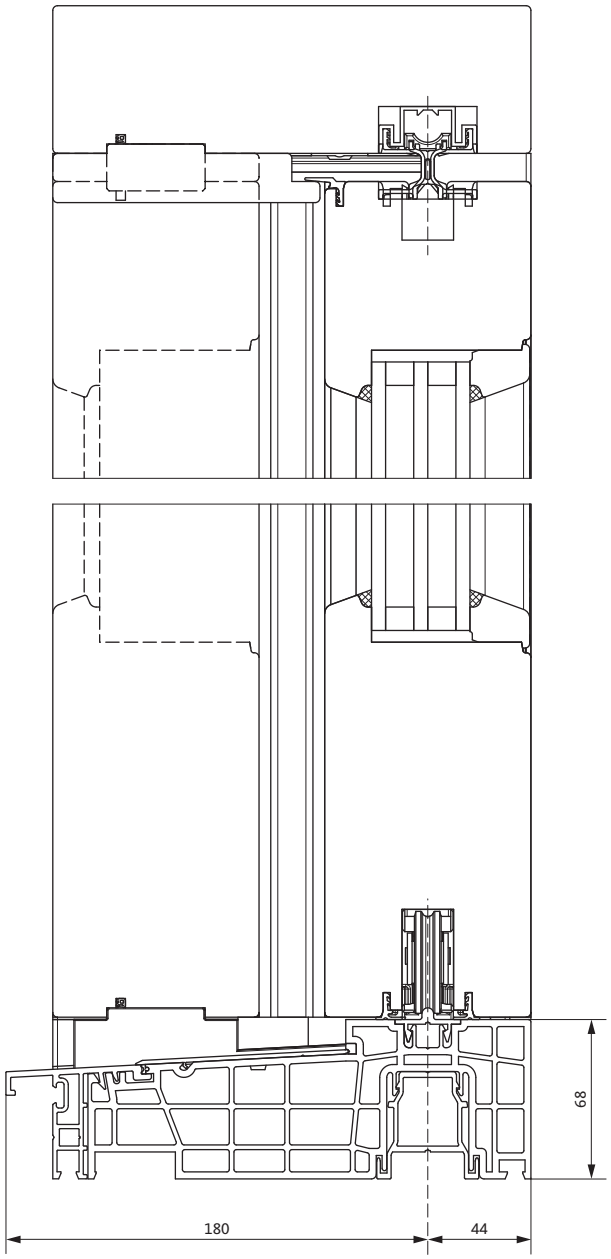
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

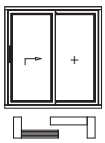
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

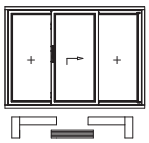
- RC2: for tested patterns please refer to our "System file RC2 Timber".



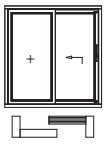
Possible patterns



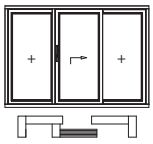
Pattern A



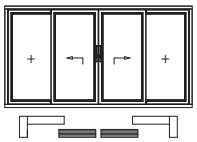
Pattern G1



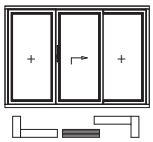
Pattern A3



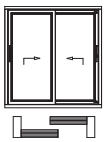
Pattern G2



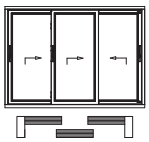
Pattern C



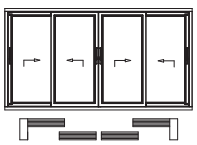
Pattern G3



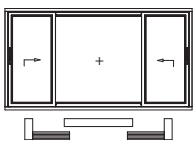
Pattern D



Pattern H



Pattern F



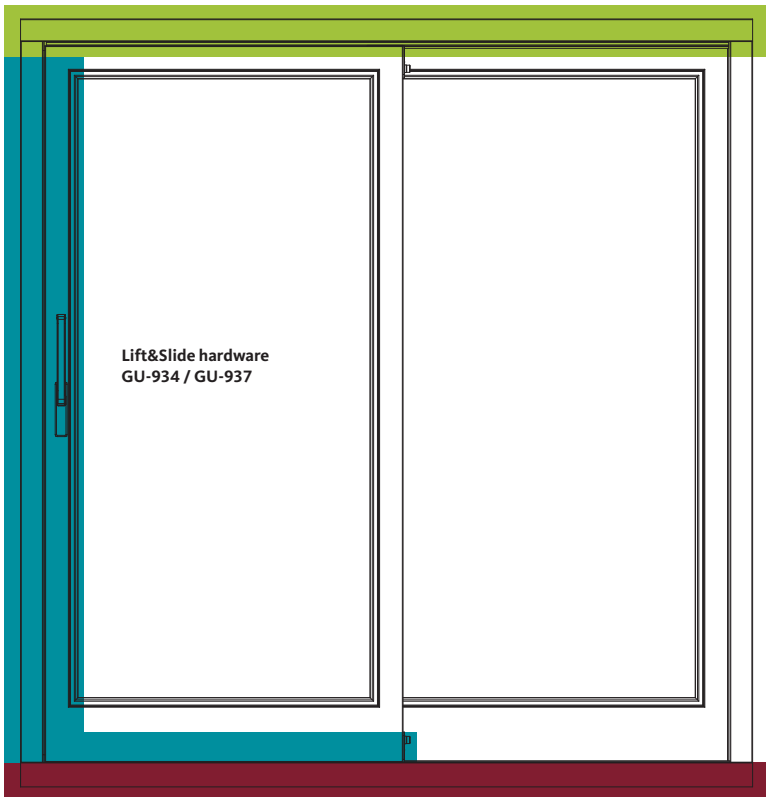
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	118

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

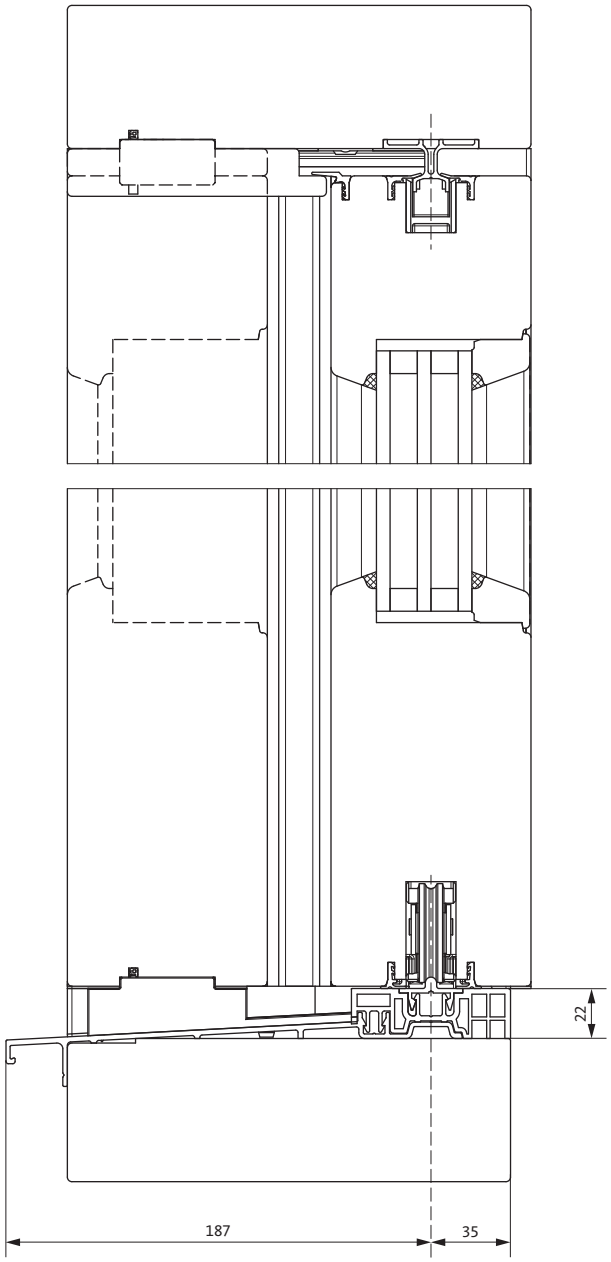
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

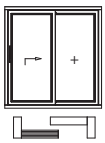
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

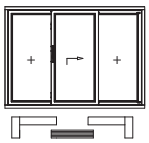
- RC2: for tested patterns please refer to our "System file RC2 Timber".



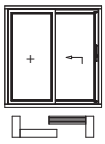
Possible patterns



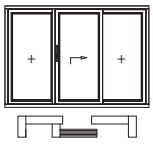
Pattern A



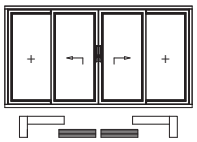
Pattern G1



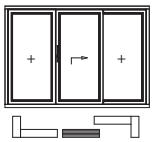
Pattern A3



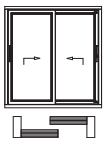
Pattern G2



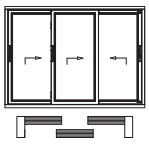
Pattern C



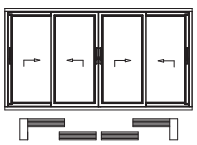
Pattern G3



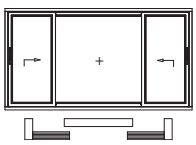
Pattern D



Pattern H



Pattern F



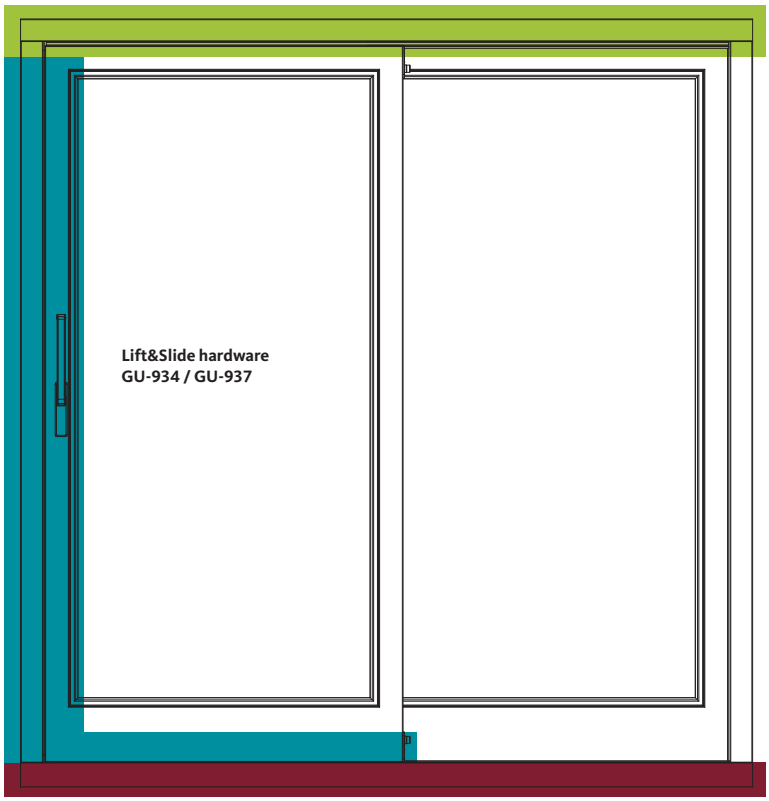
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	178

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

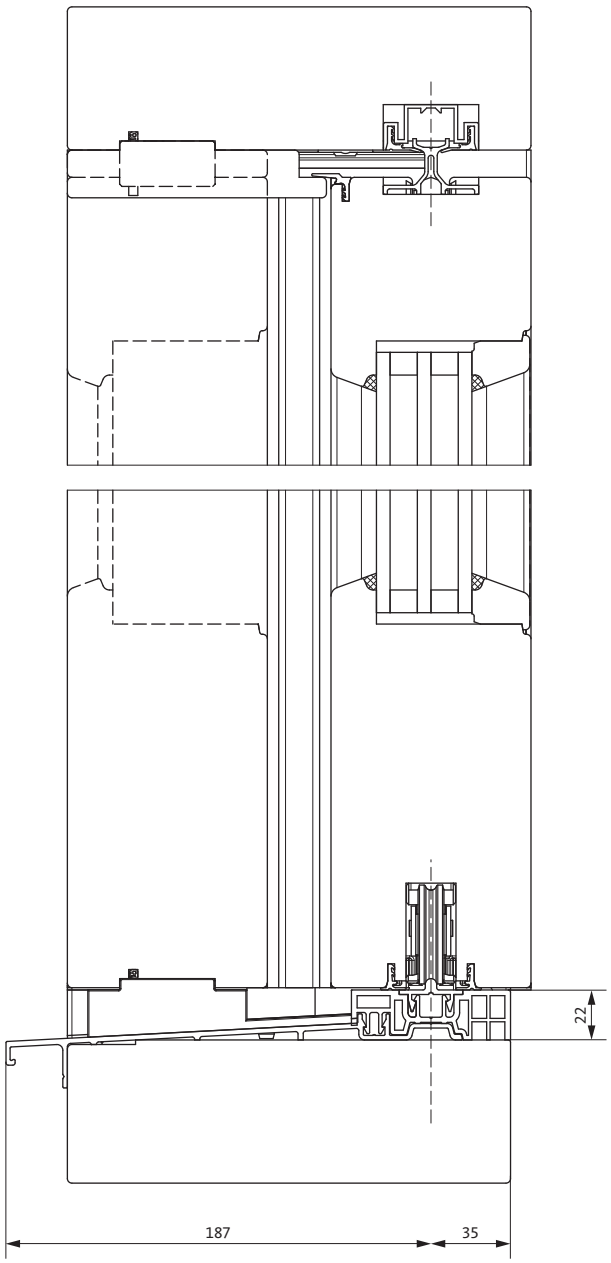
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

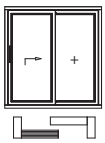
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

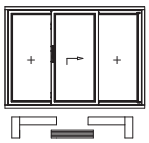
- RC2: for tested patterns please refer to our "System file RC2 Timber".



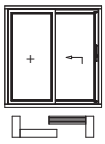
Possible patterns



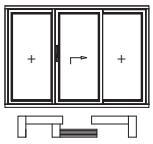
Pattern A



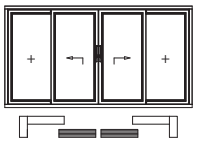
Pattern G1



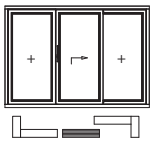
Pattern A3



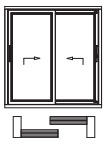
Pattern G2



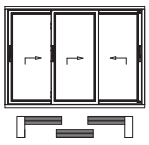
Pattern C



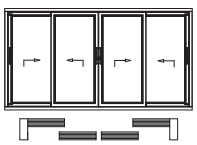
Pattern G3



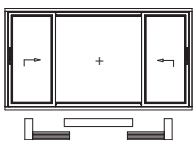
Pattern D



Pattern H



Pattern F



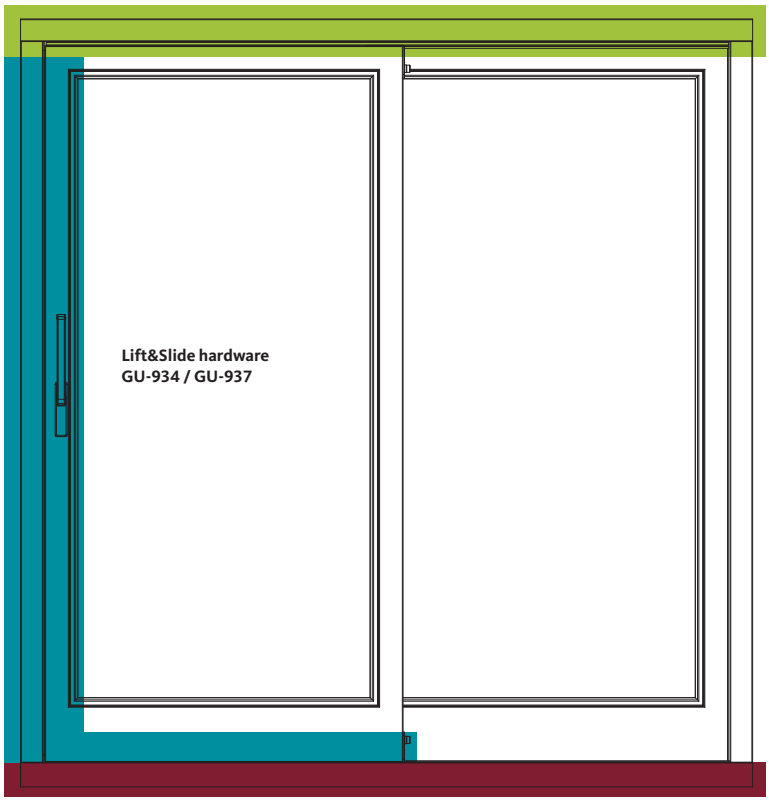
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	178

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

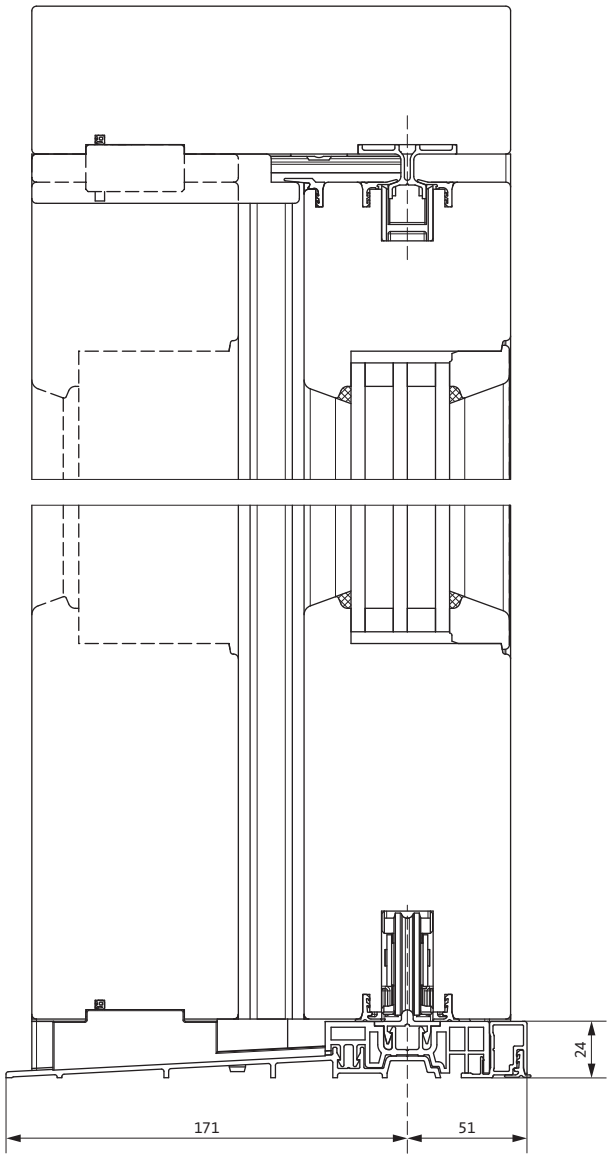
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

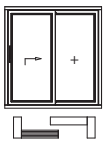
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

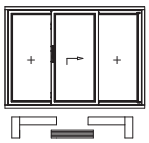
- RC2: for tested patterns please refer to our "System file RC2 Timber".



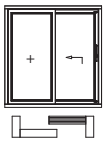
Possible patterns



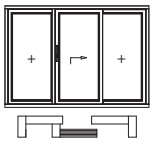
Pattern A



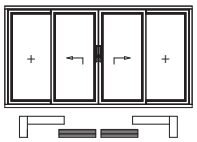
Pattern G1



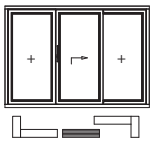
Pattern A3



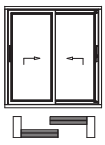
Pattern G2



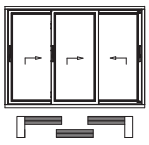
Pattern C



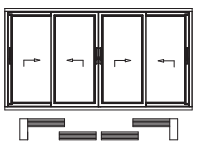
Pattern G3



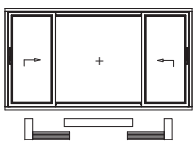
Pattern D



Pattern H



Pattern F



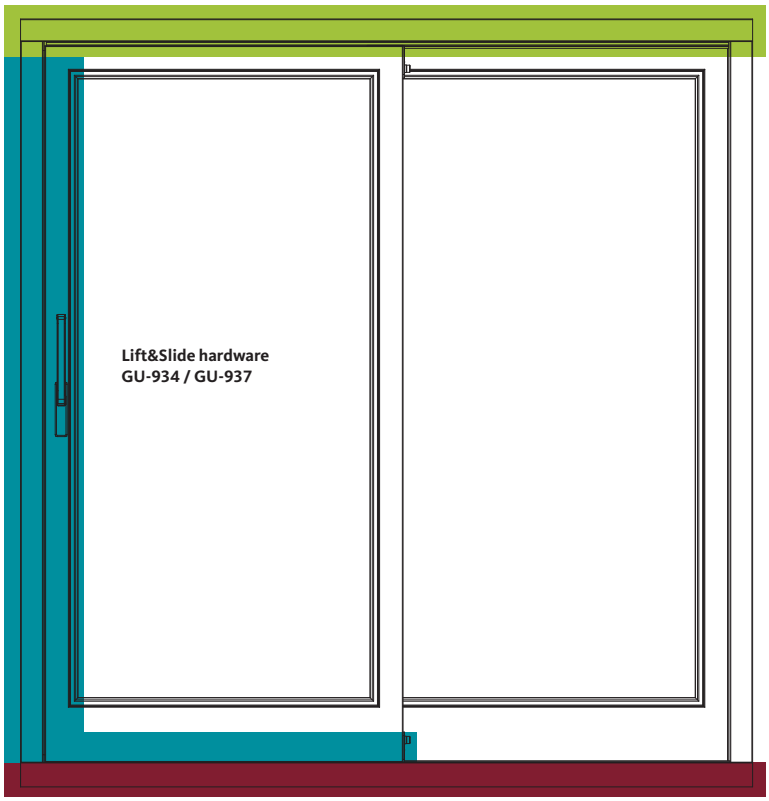
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1786

P 1786 guide track



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	154

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

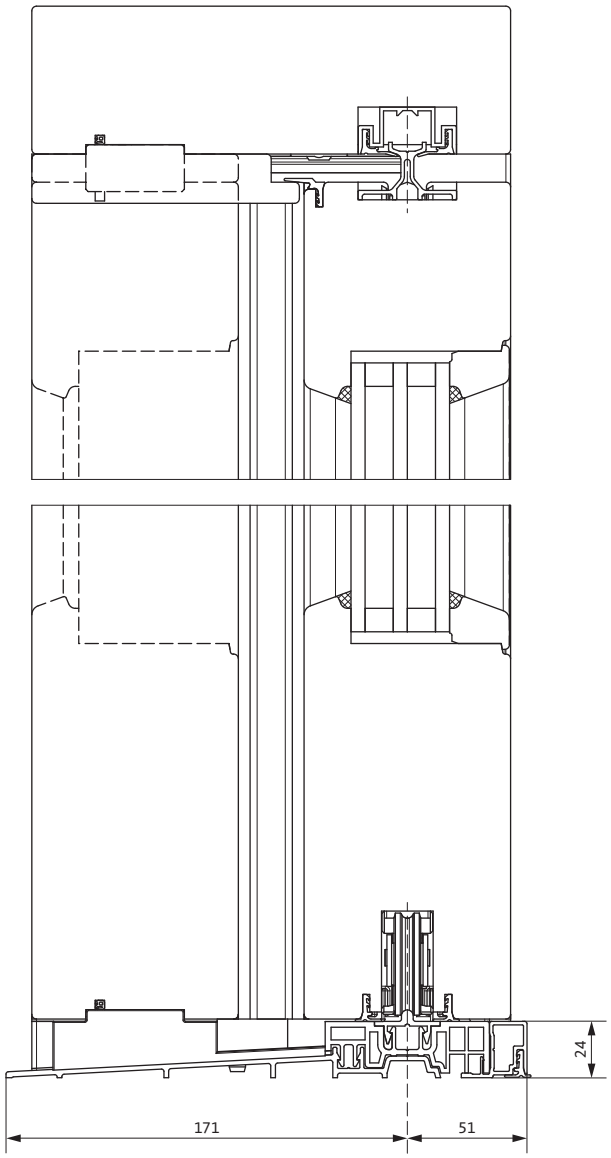
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

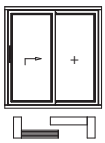
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

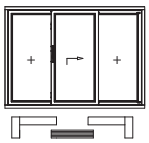
- RC2: for tested patterns please refer to our "System file RC2 Timber".



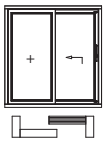
Possible patterns



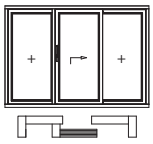
Pattern A



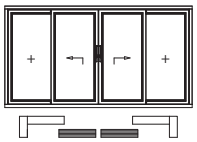
Pattern G1



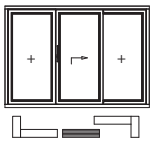
Pattern A3



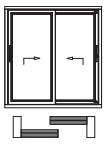
Pattern G2



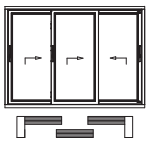
Pattern C



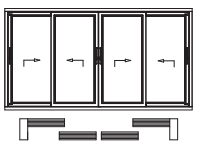
Pattern G3



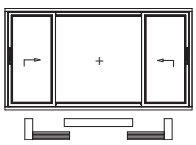
Pattern D



Pattern H



Pattern F



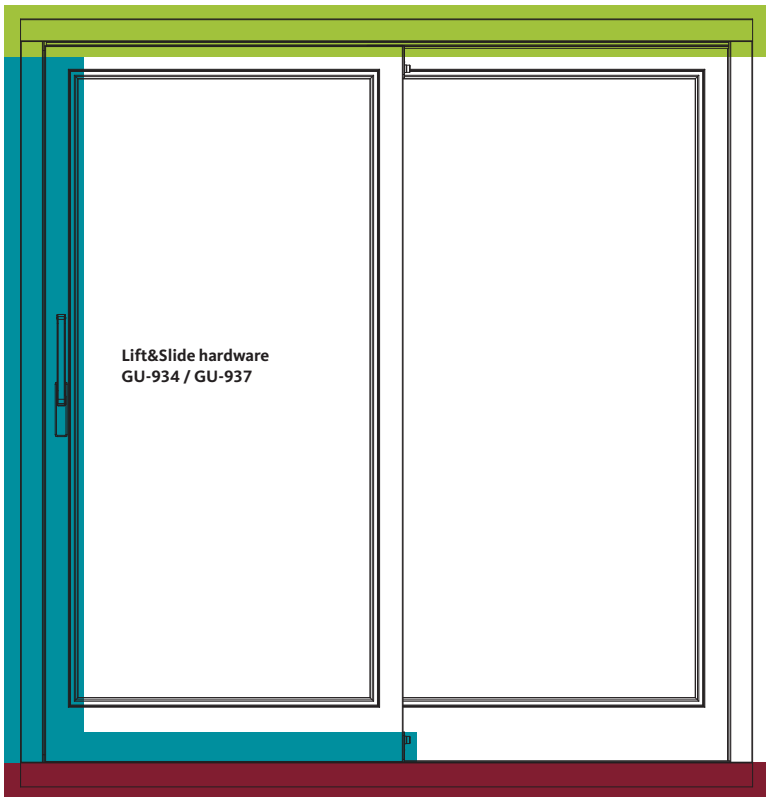
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1850

Guide track P 1850



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	154

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

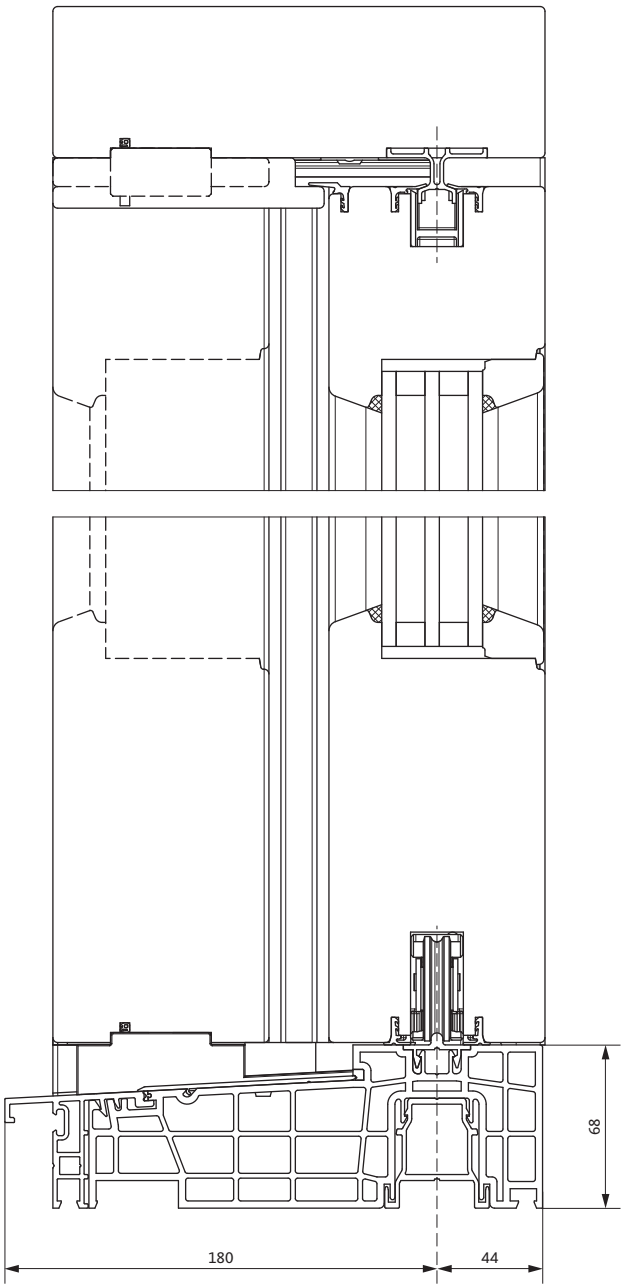
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

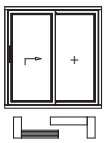
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

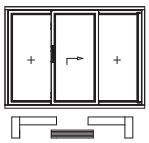
- RC2: for tested patterns please refer to our "System file RC2 Timber".



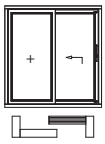
Possible patterns



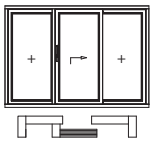
Pattern A



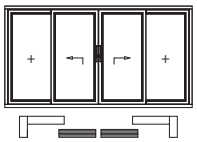
Pattern G1



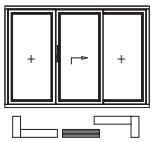
Pattern A3



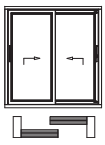
Pattern G2



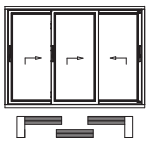
Pattern C



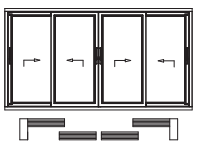
Pattern G3



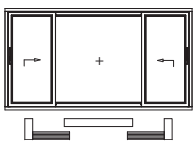
Pattern D



Pattern H



Pattern F



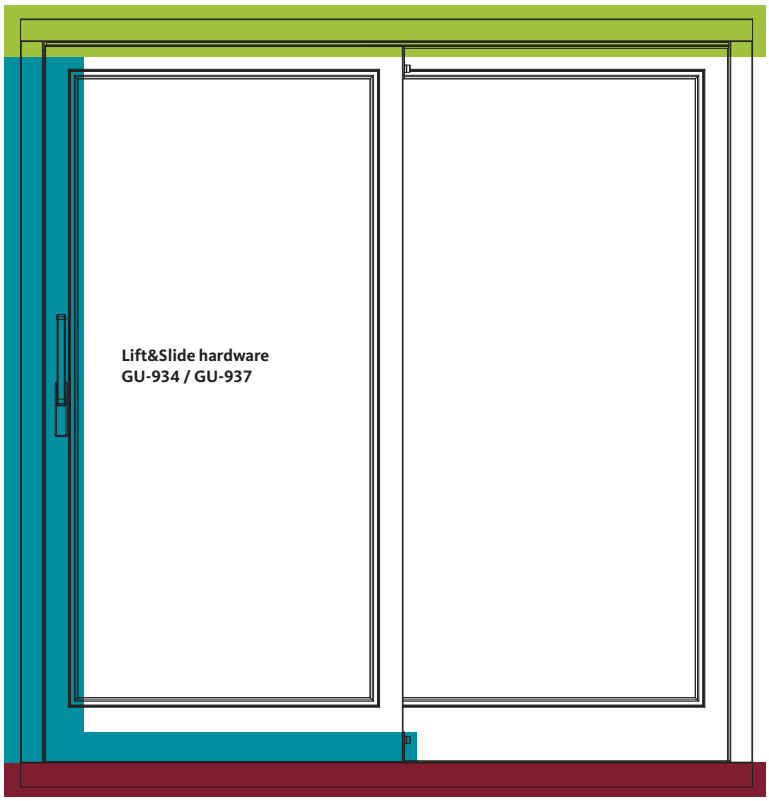
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1786

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	122

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

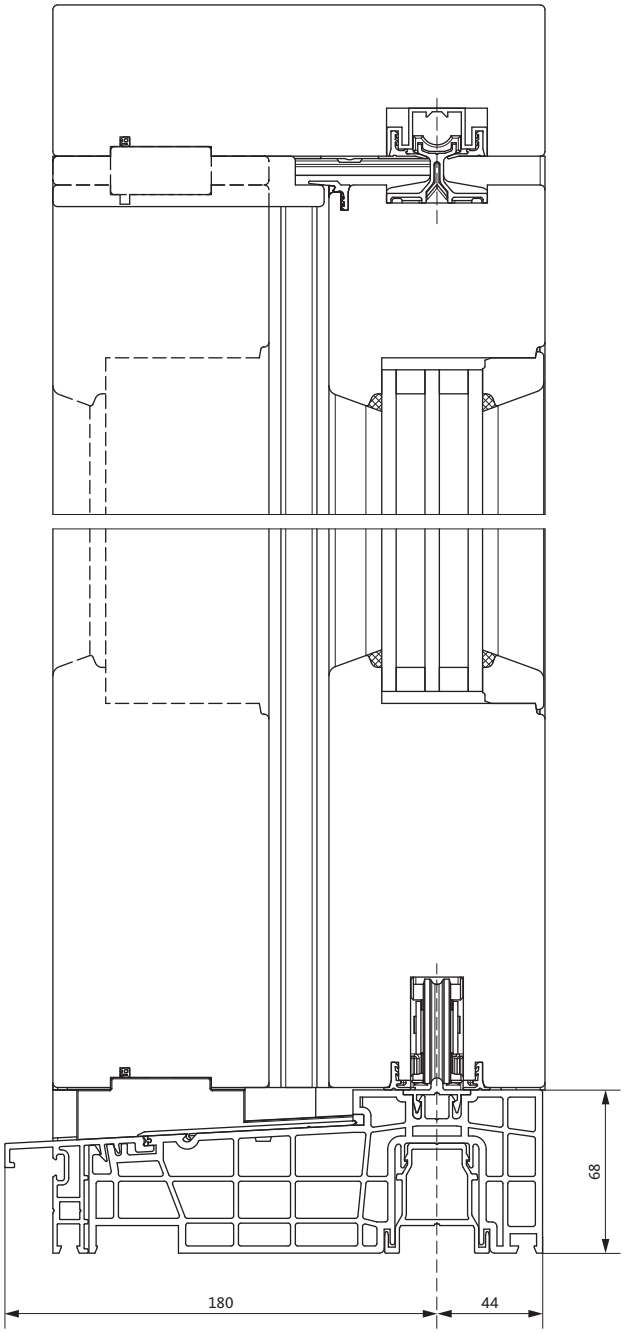
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

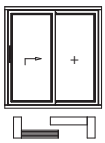
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

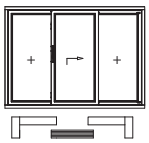
- RC2: for tested patterns please refer to our "System file RC2 Timber".



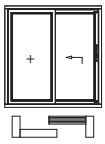
Possible patterns



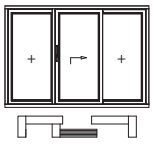
Pattern A



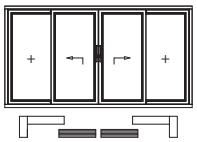
Pattern G1



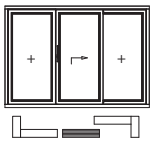
Pattern A3



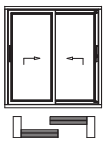
Pattern G2



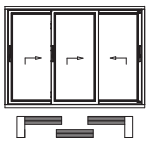
Pattern C



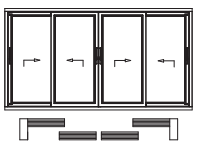
Pattern G3



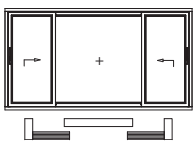
Pattern D



Pattern H



Pattern F



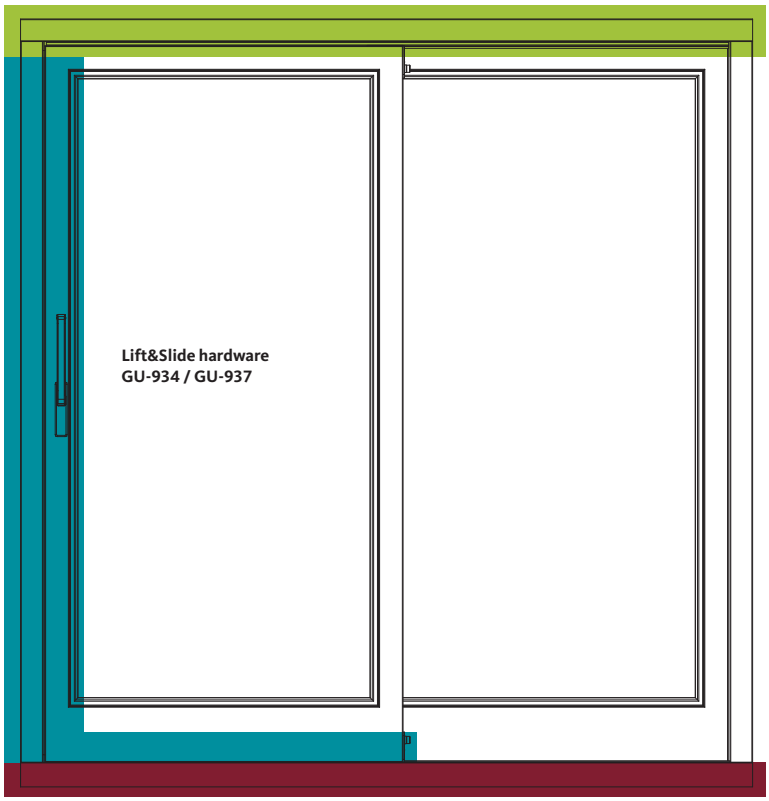
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1850

Guide track P 1850



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	122

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

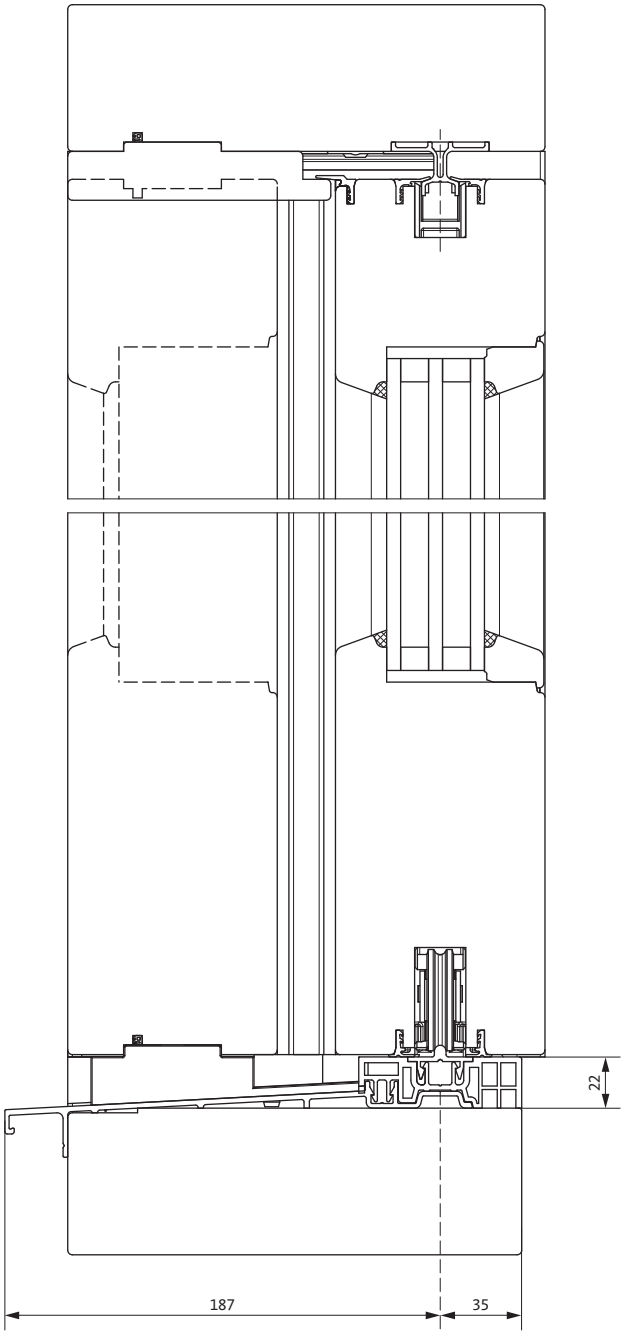
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

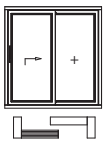
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

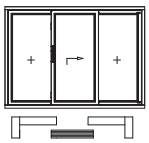
- RC2: for tested patterns please refer to our "System file RC2 Timber".



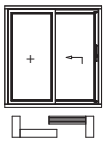
Possible patterns



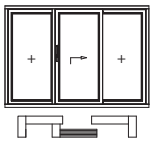
Pattern A



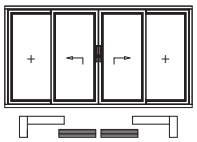
Pattern G1



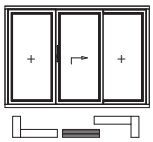
Pattern A3



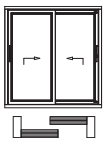
Pattern G2



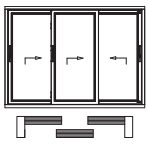
Pattern C



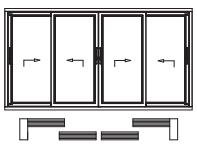
Pattern G3



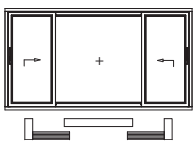
Pattern D



Pattern H



Pattern F



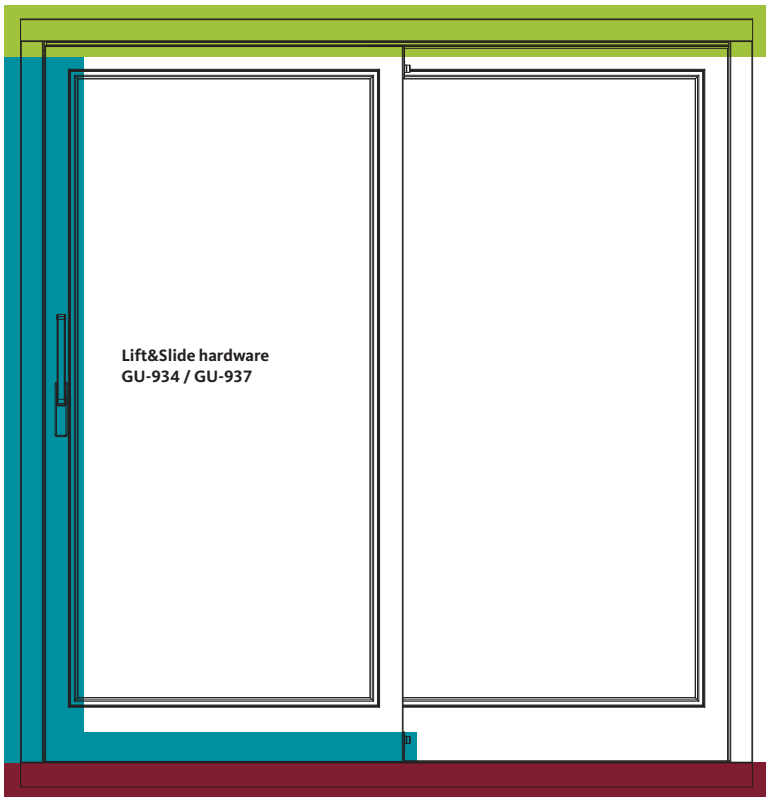
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1786

P 1786 guide track



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	182

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

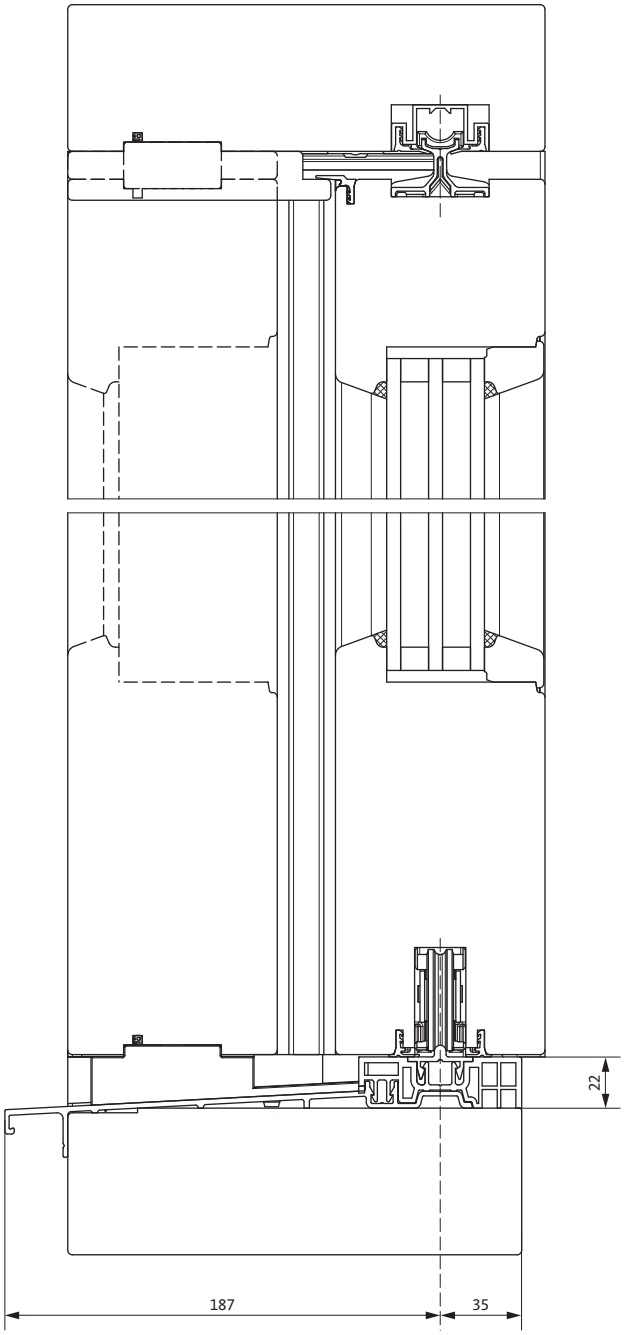
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

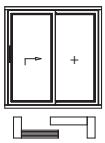
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

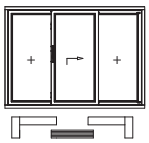
- RC2: for tested patterns please refer to our "System file RC2 Timber".



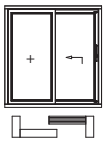
Possible patterns



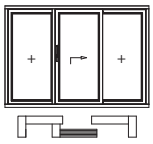
Pattern A



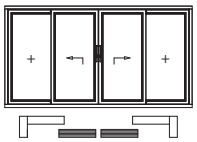
Pattern G1



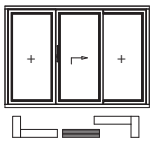
Pattern A3



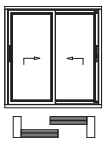
Pattern G2



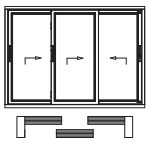
Pattern C



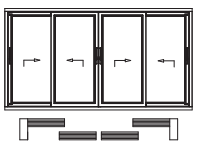
Pattern G3



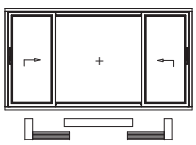
Pattern D



Pattern H



Pattern F



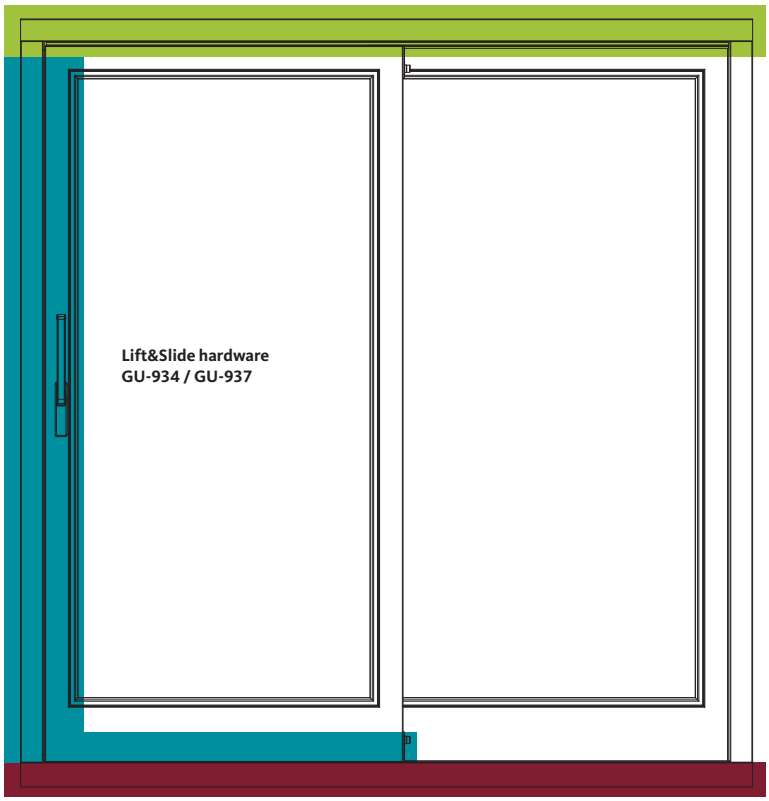
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1850

Guide track P 1850



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	182

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

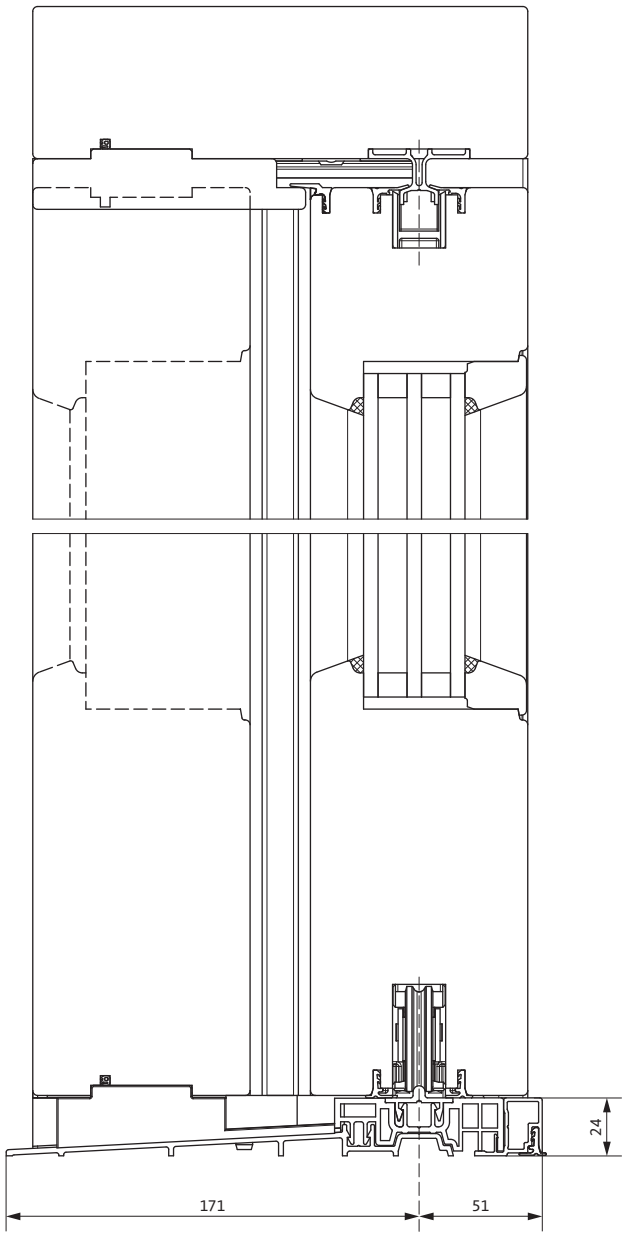
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

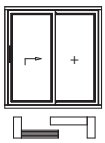
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

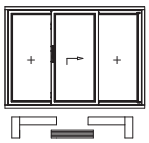
- RC2: for tested patterns please refer to our "System file RC2 Timber".



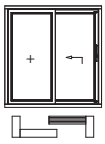
Possible patterns



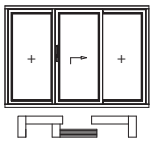
Pattern A



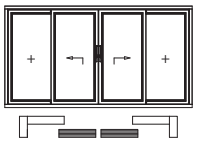
Pattern G1



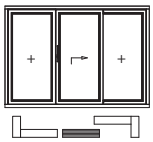
Pattern A3



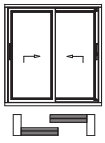
Pattern G2



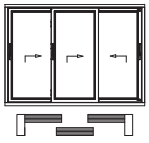
Pattern C



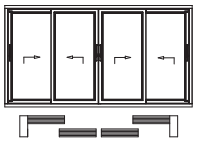
Pattern G3



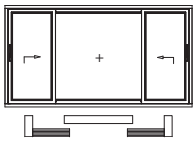
Pattern D



Pattern H



Pattern F



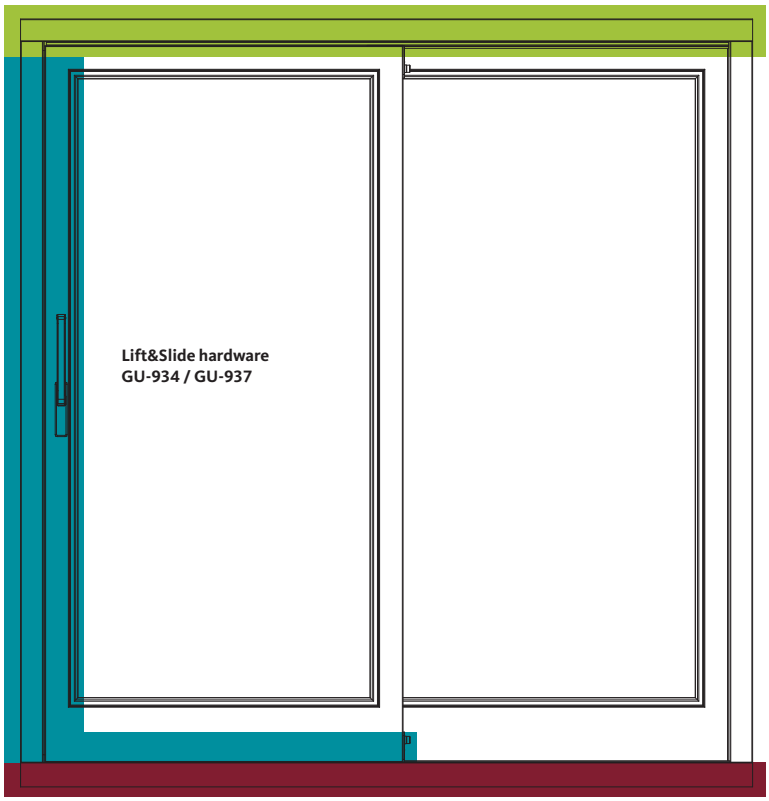
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1786

P 1786 guide track



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	158

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

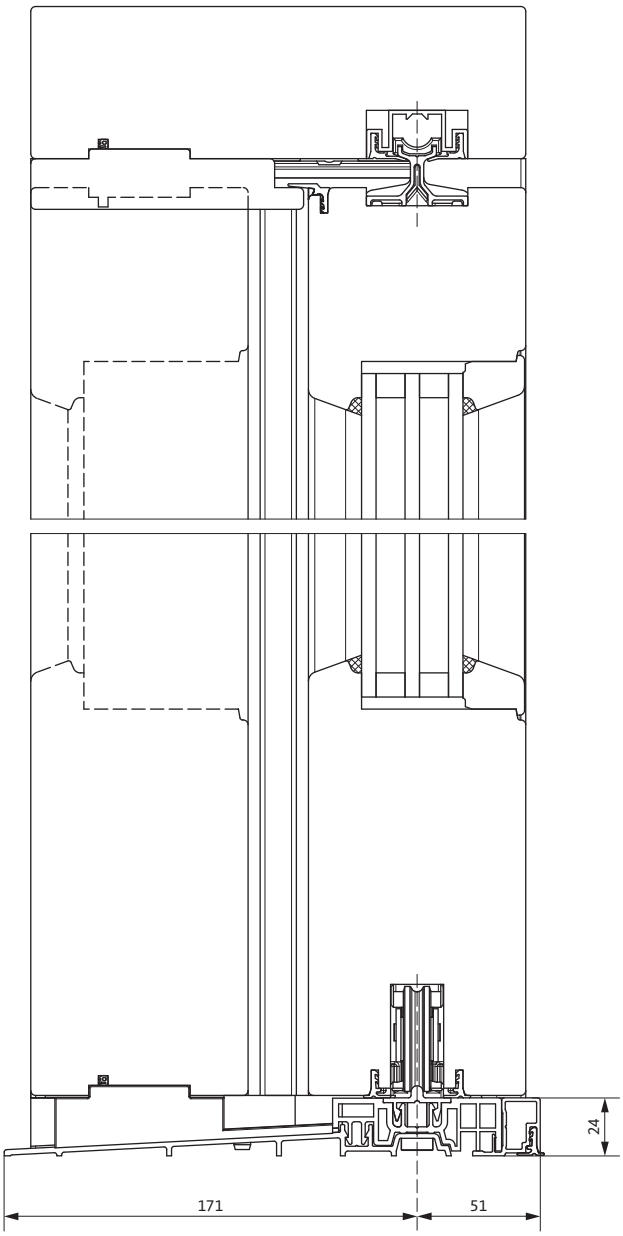
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

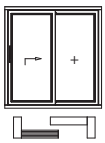
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

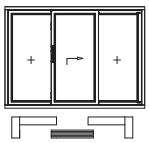
- RC2: for tested patterns please refer to our "System file RC2 Timber".



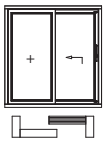
Possible patterns



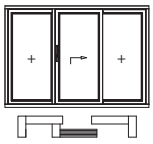
Pattern A



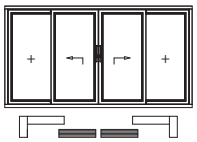
Pattern G1



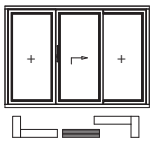
Pattern A3



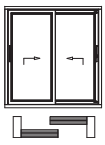
Pattern G2



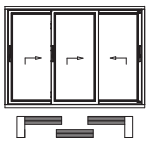
Pattern C



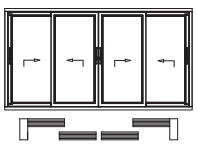
Pattern G3



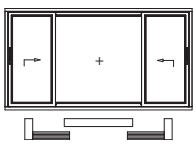
Pattern D



Pattern H



Pattern F



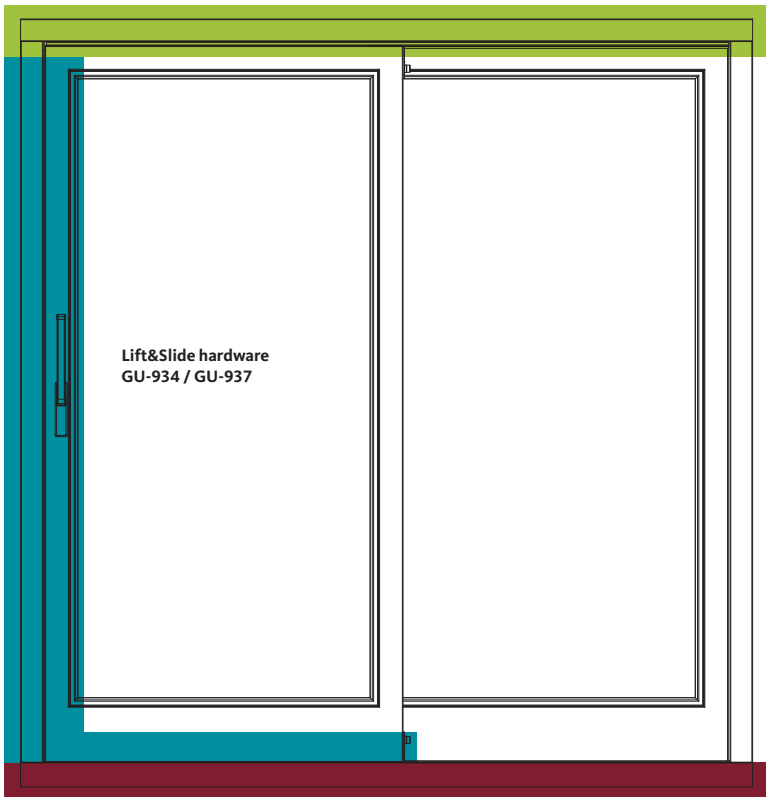
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1850

Guide track P 1850



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	158

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

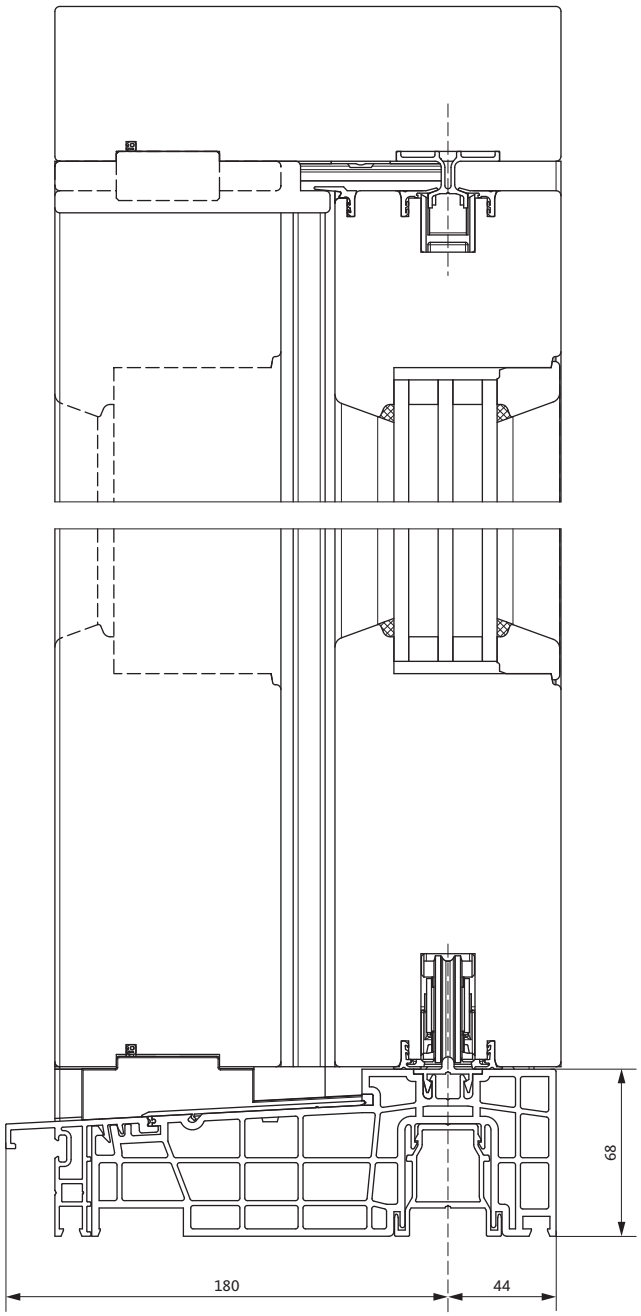
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

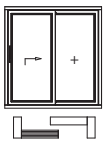
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

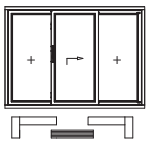
- RC2: for tested patterns please refer to our "System file RC2 Timber".



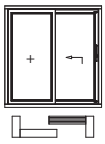
Possible patterns



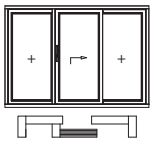
Pattern A



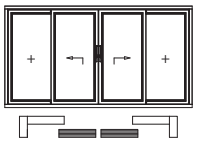
Pattern G1



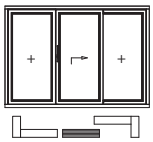
Pattern A3



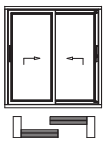
Pattern G2



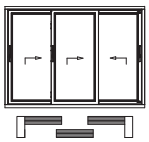
Pattern C



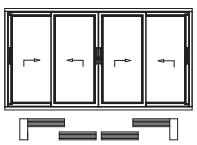
Pattern G3



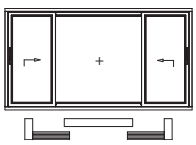
Pattern D



Pattern H



Pattern F



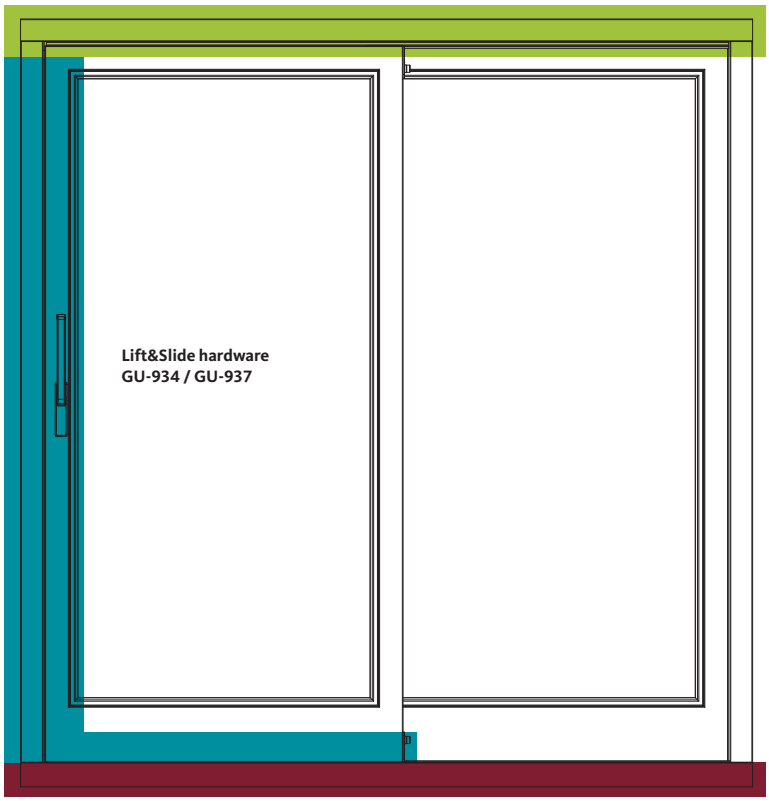
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	126

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

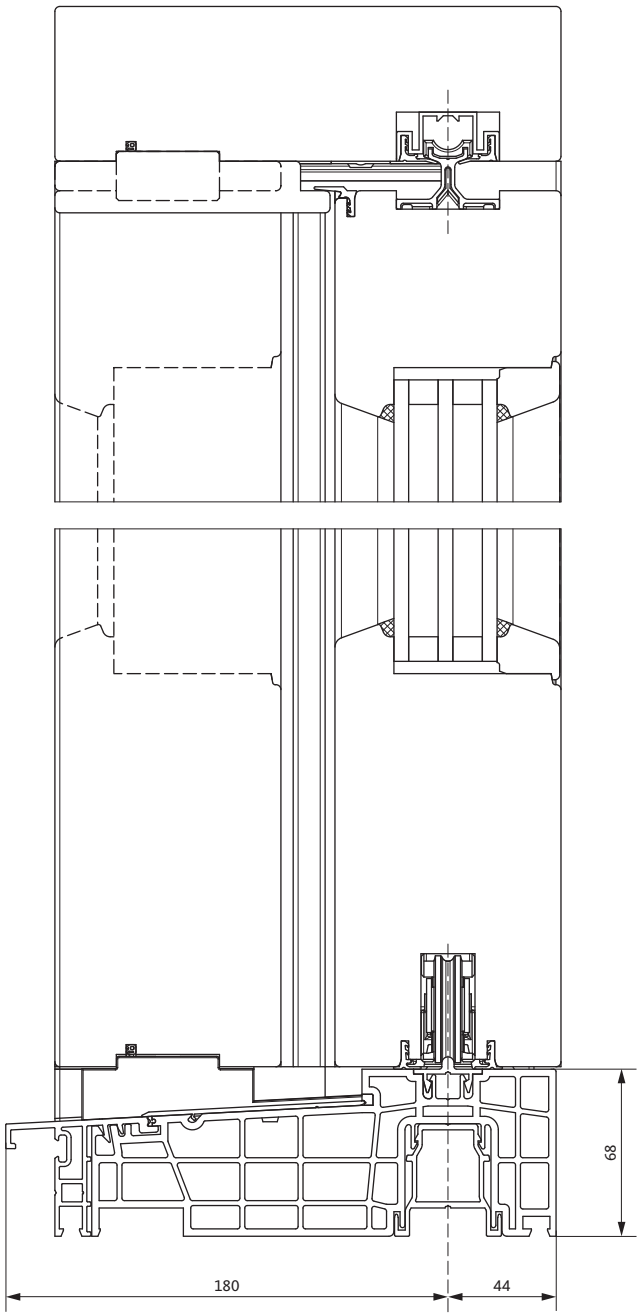
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

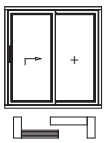
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

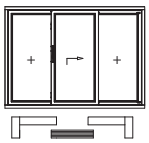
- RC2: for tested patterns please refer to our "System file RC2 Timber".



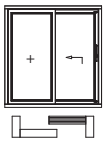
Possible patterns



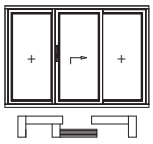
Pattern A



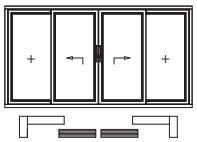
Pattern G1



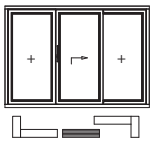
Pattern A3



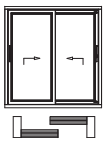
Pattern G2



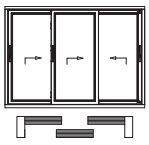
Pattern C



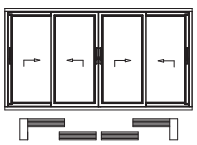
Pattern G3



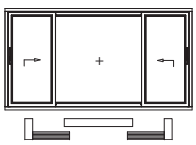
Pattern D



Pattern H



Pattern F



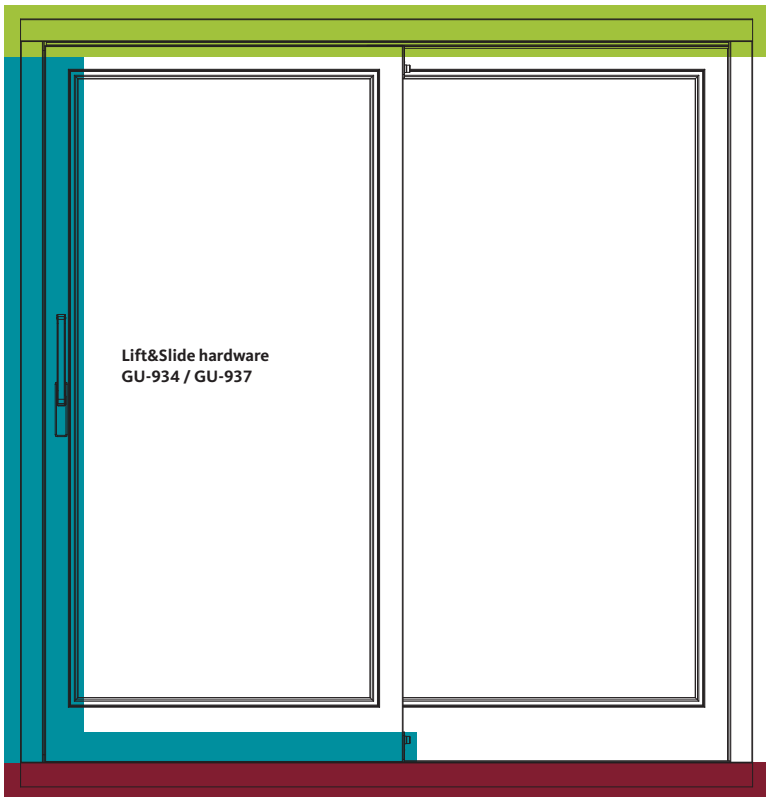
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850

Guide track P 1850



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	126

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

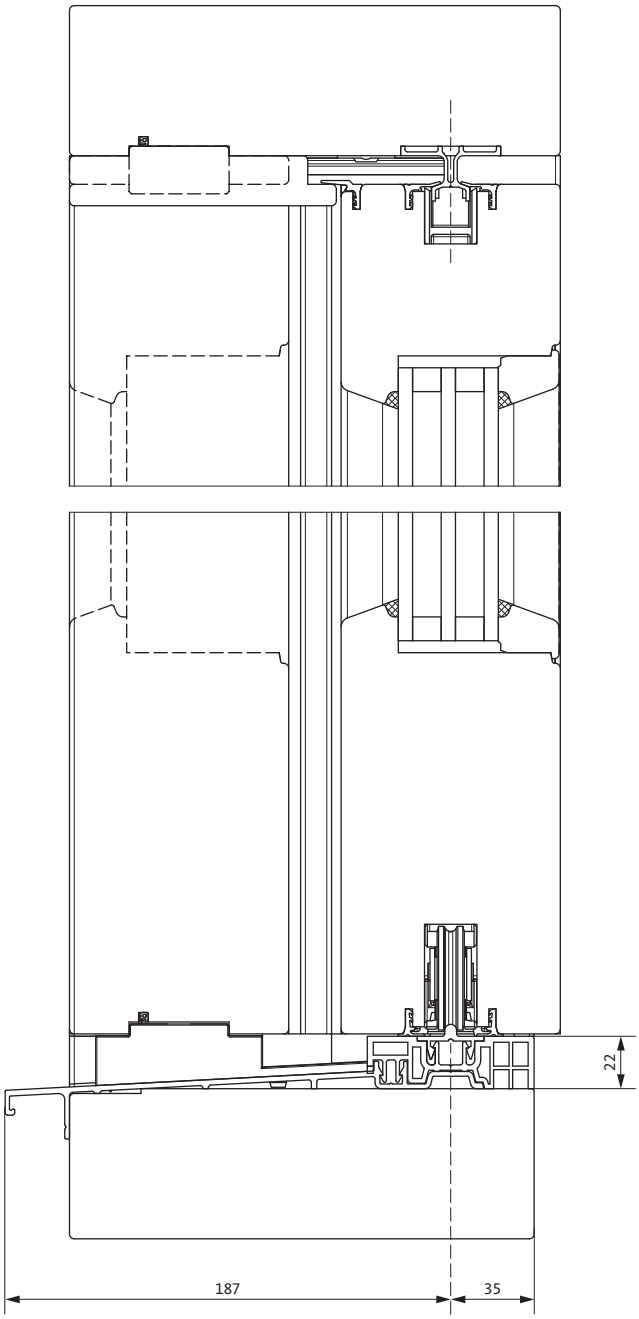
SH : SW = 2.5 : 1

Installation drawings

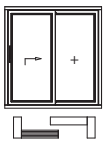
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

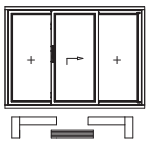
- RC2: for tested patterns please refer to our "System file RC2 Timber".



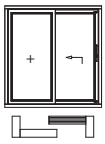
Possible patterns



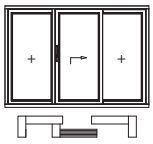
Pattern A



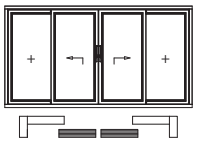
Pattern G1



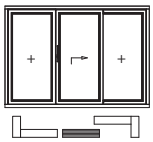
Pattern A3



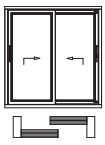
Pattern G2



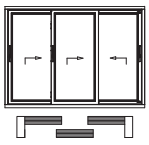
Pattern C



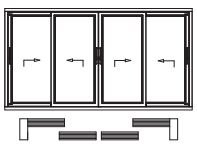
Pattern G3



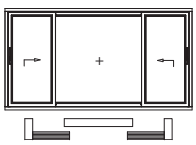
Pattern D



Pattern H



Pattern F



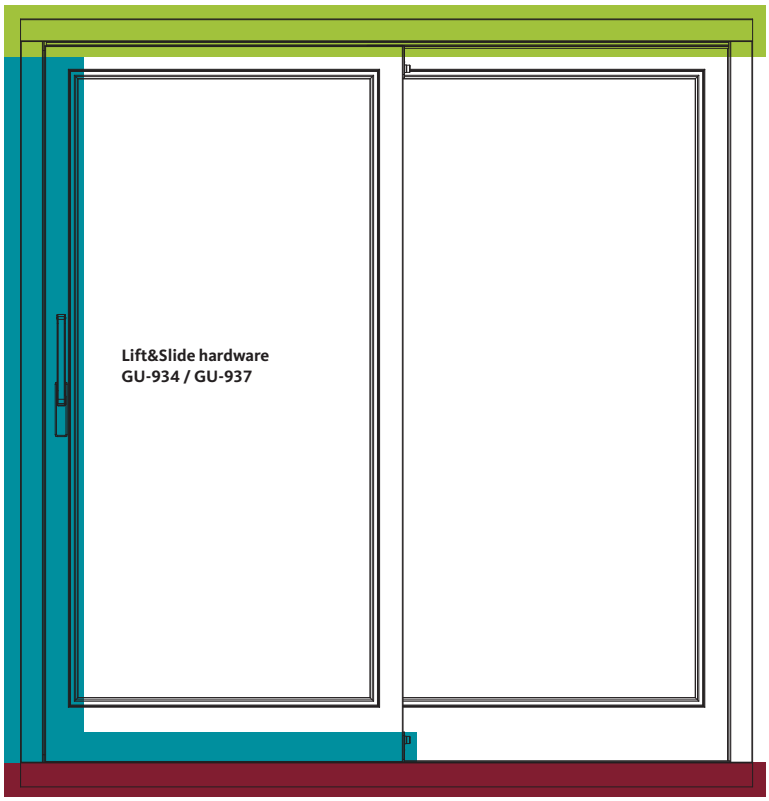
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1786

P 1786 guide track



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	186

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

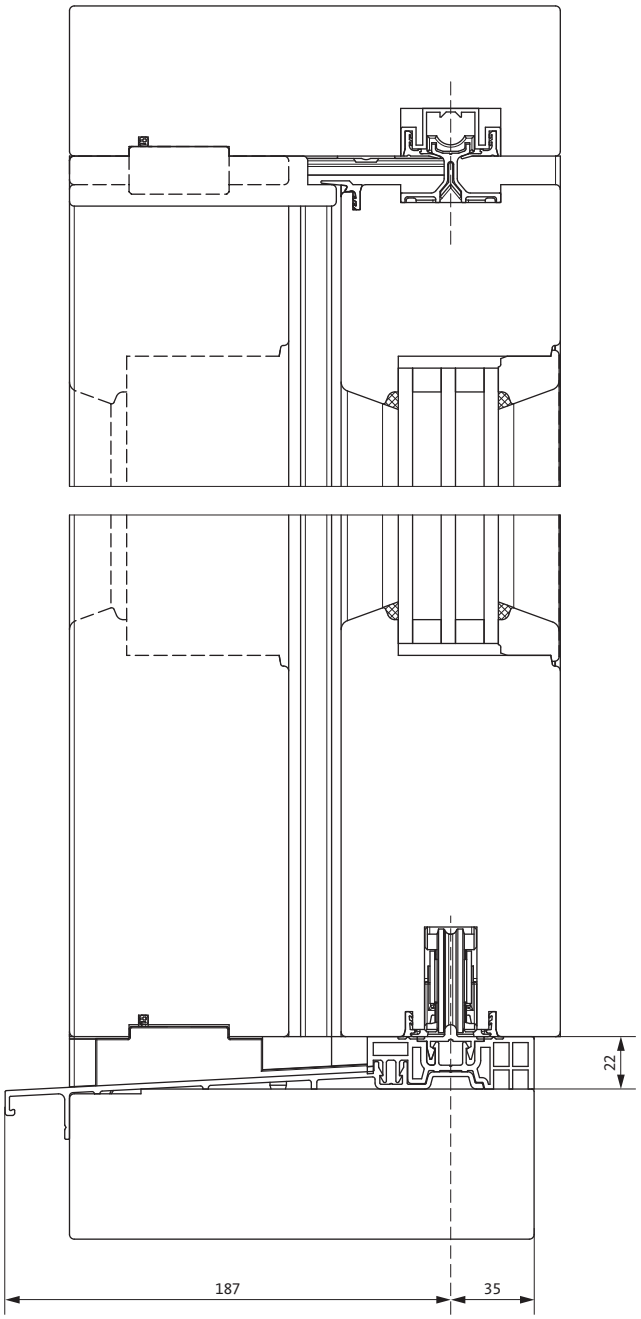
SH : SW = 2.5 : 1

Installation drawings

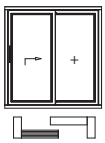
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

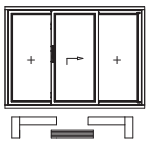
- RC2: for tested patterns please refer to our "System file RC2 Timber".



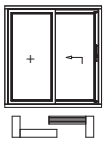
Possible patterns



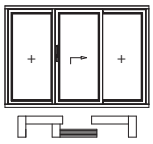
Pattern A



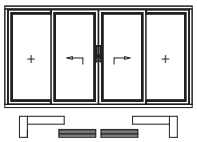
Pattern G1



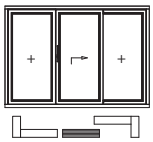
Pattern A3



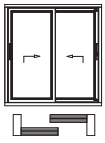
Pattern G2



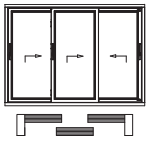
Pattern C



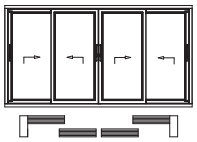
Pattern G3



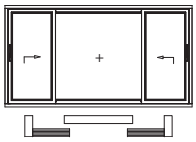
Pattern D



Pattern H



Pattern F



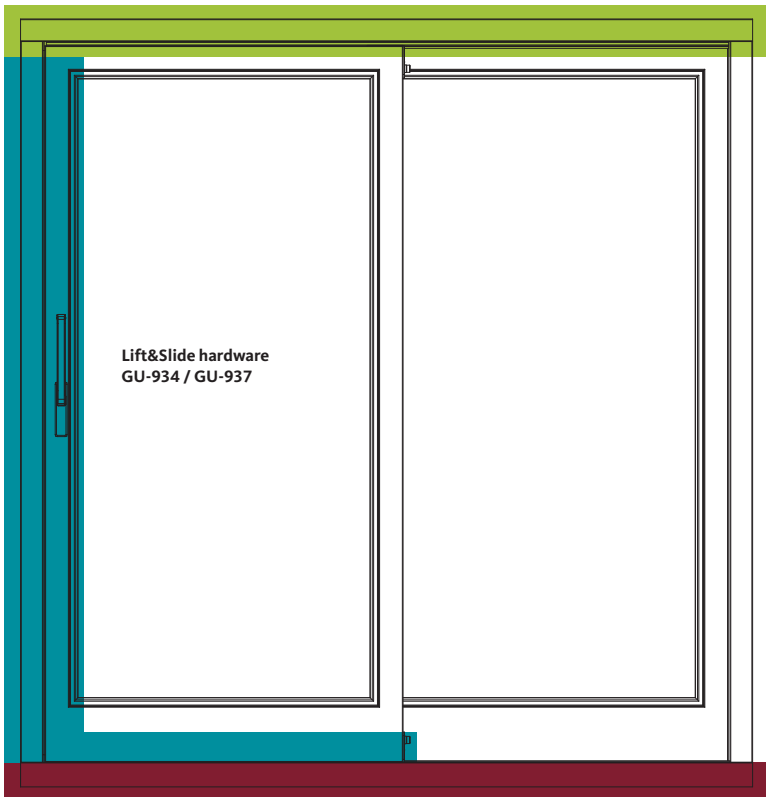
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1850

Guide track P 1850



GU-timberstep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-timberstep 204	2.2	186

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-timberstep 204	3.2	289

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1786

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

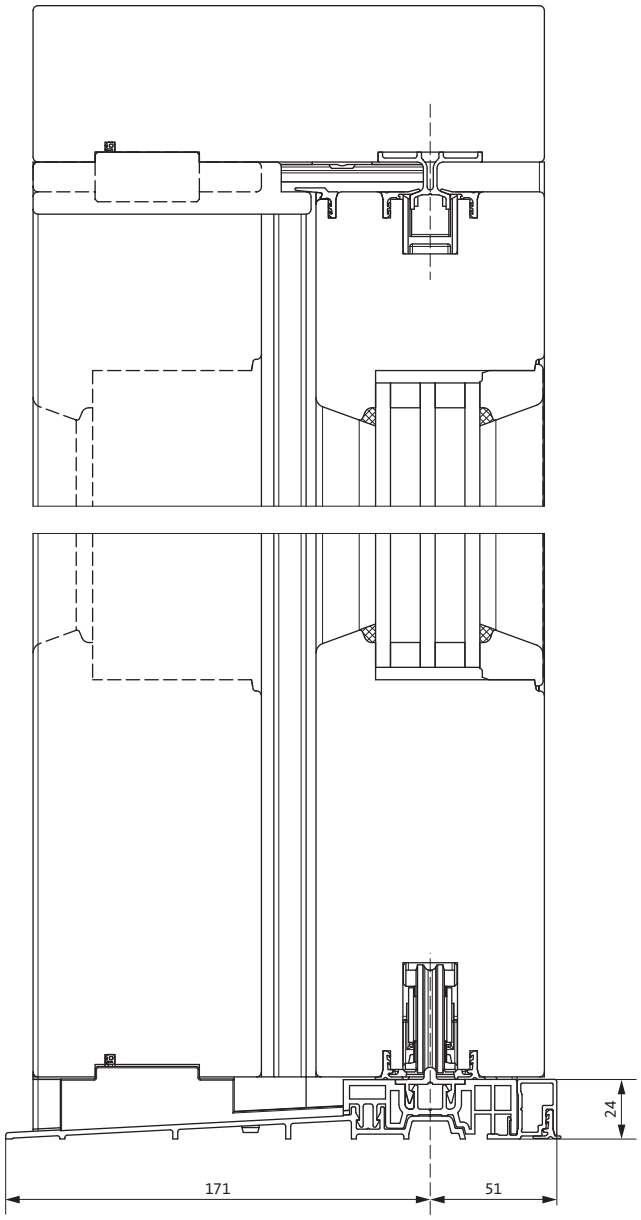
SH : SW = 2.5 : 1

Installation drawings

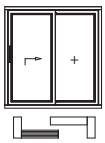
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

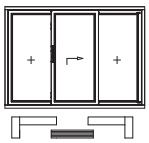
- RC2: for tested patterns please refer to our "System file RC2 Timber".



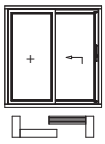
Possible patterns



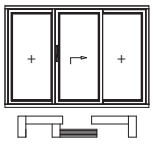
Pattern A



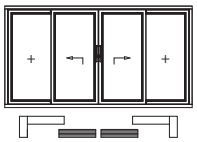
Pattern G1



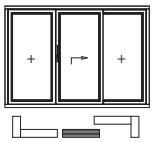
Pattern A3



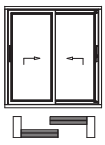
Pattern G2



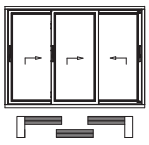
Pattern C



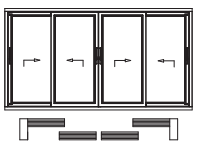
Pattern G3



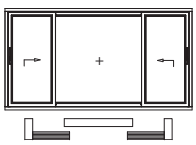
Pattern D



Pattern H



Pattern F



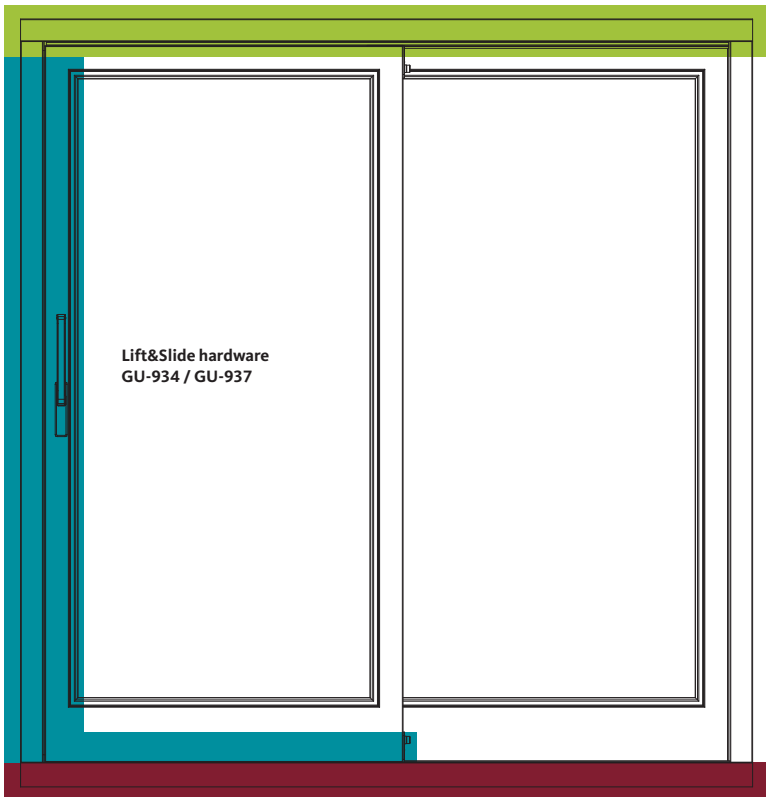
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1786

P 1786 guide track



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	162

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1850

Application ranges

Sash widths / sash heights / sash weights

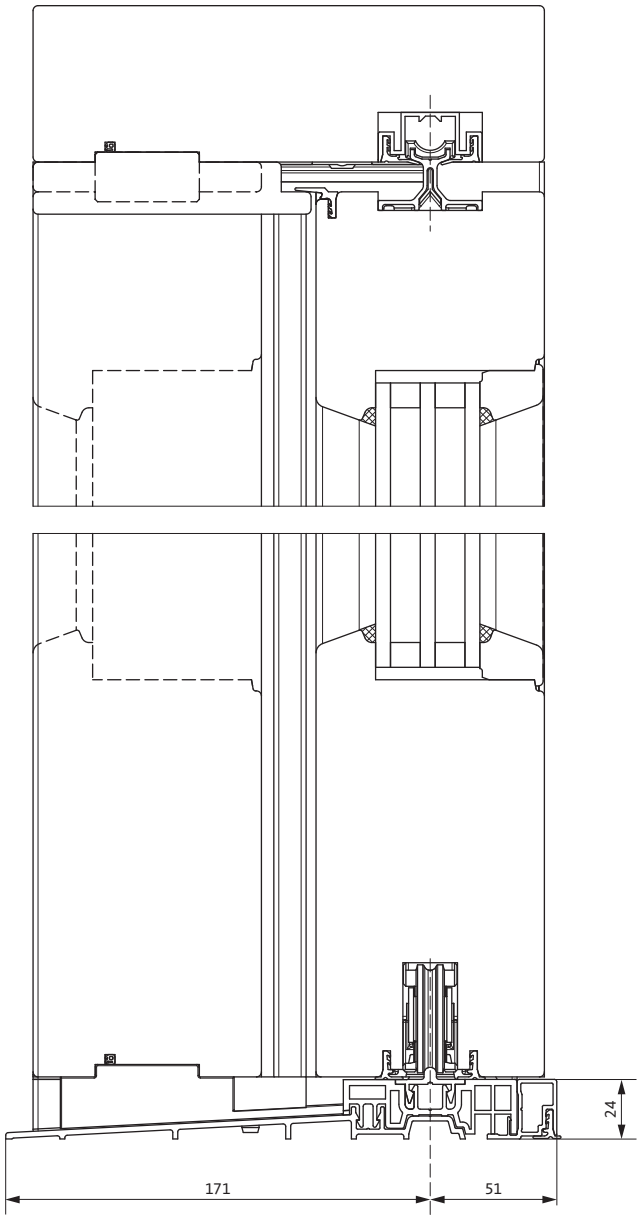
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem
SH : SW = 2.5 : 1			

Installation drawings

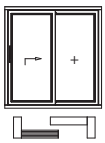
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

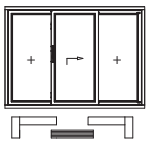
- RC2: for tested patterns please refer to our "System file RC2 Timber".



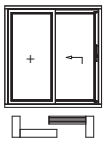
Possible patterns



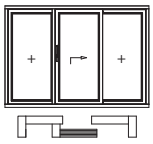
Pattern A



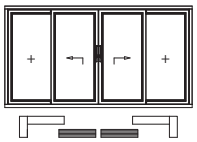
Pattern G1



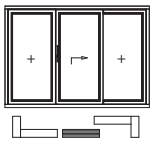
Pattern A3



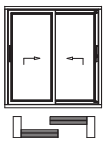
Pattern G2



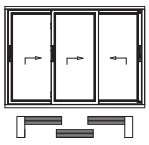
Pattern C



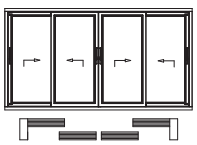
Pattern G3



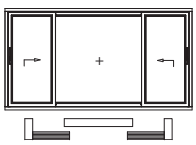
Pattern D



Pattern H



Pattern F



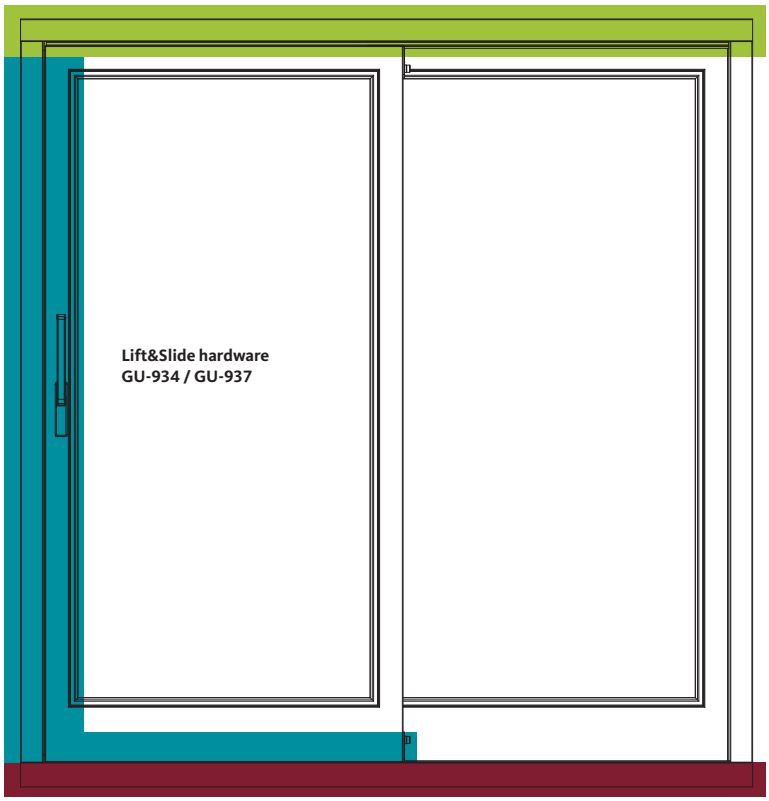
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1850

Guide track P 1850



GU-flatstep 222 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-flatstep 222	2.2	162

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-flatstep 222	3.2	273

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786

RC2

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

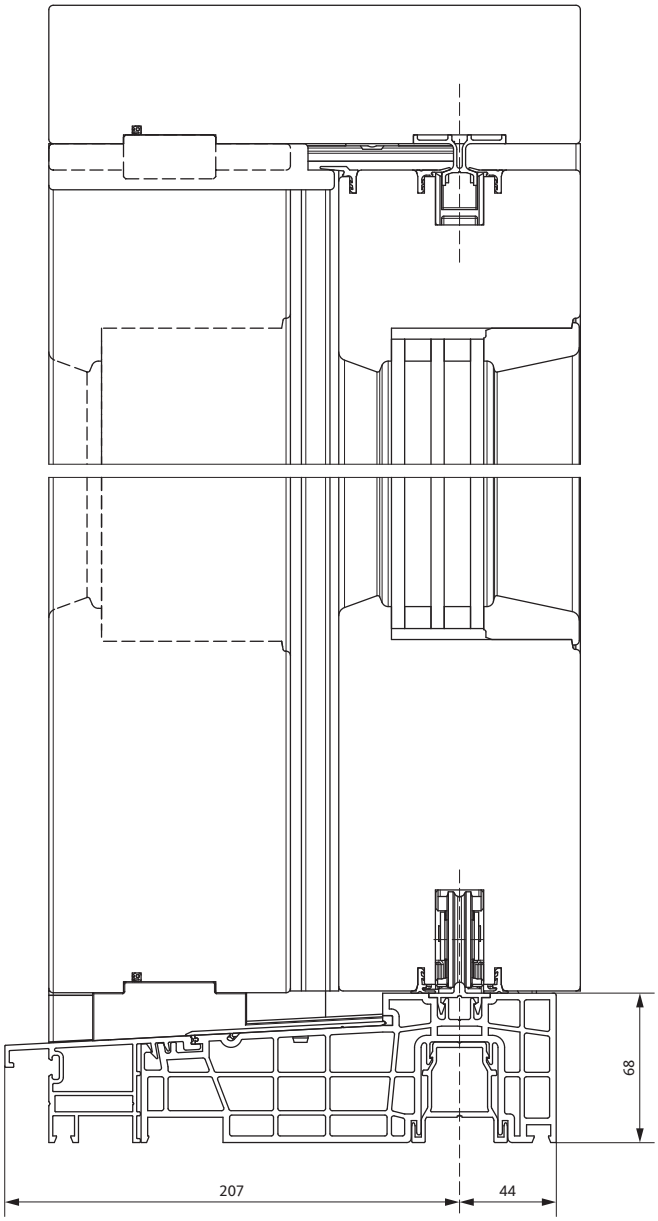
SH : SW = 2.5 : 1

Installation drawings

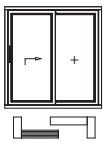
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

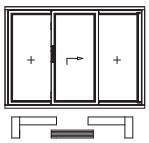
- RC2: for tested patterns please refer to our "System file RC2 Timber".



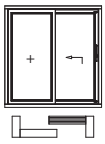
Possible patterns



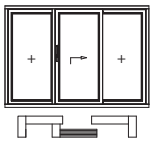
Pattern A



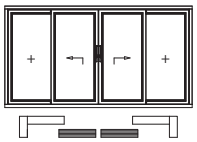
Pattern G1



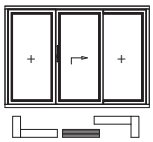
Pattern A3



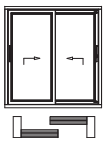
Pattern G2



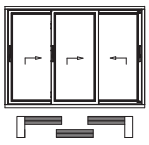
Pattern C



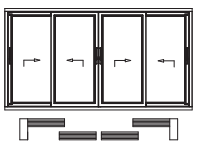
Pattern G3



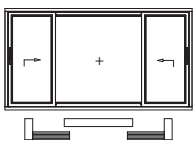
Pattern D



Pattern H



Pattern F



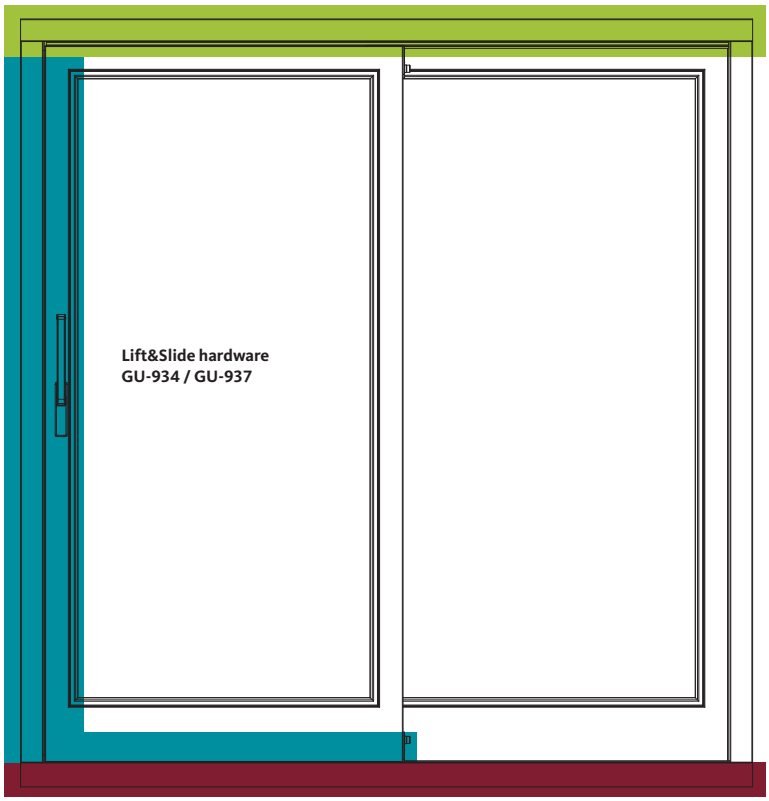
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	130

Guide track	Chapter	From page
P 1786	2.3	198

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1786	3.3	310

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850

RC2

Application ranges

Sash widths / sash heights / sash weights

Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

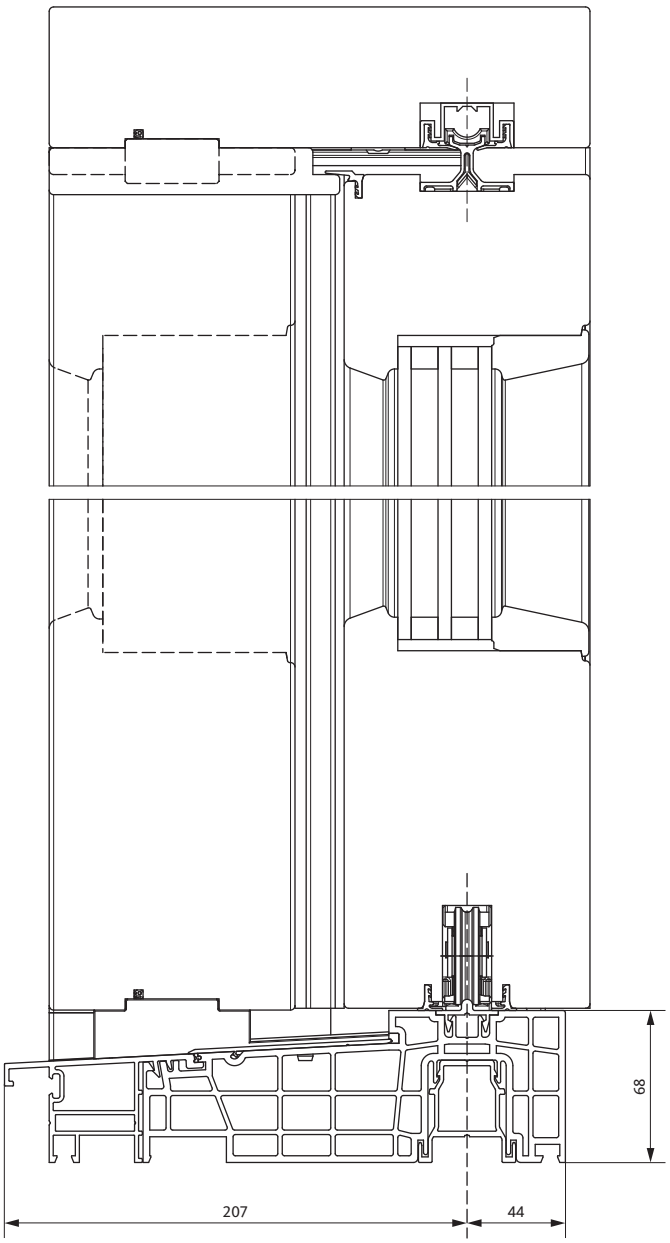
SH : SW = 2.5 : 1

Installation drawings

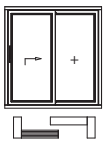
Patterns	Hardware, guide	Threshold
All patterns	0-48511	0-48512

Note:

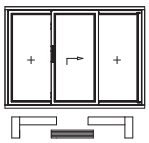
- RC2: for tested patterns please refer to our "System file RC2 Timber".



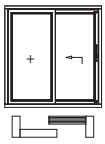
Possible patterns



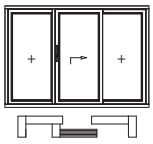
Pattern A



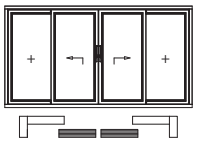
Pattern G1



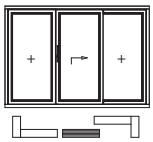
Pattern A3



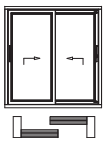
Pattern G2



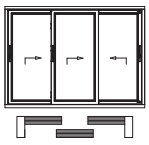
Pattern C



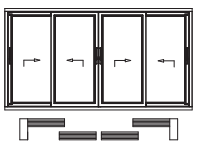
Pattern G3



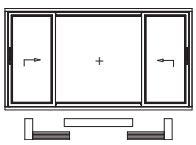
Pattern D



Pattern H



Pattern F



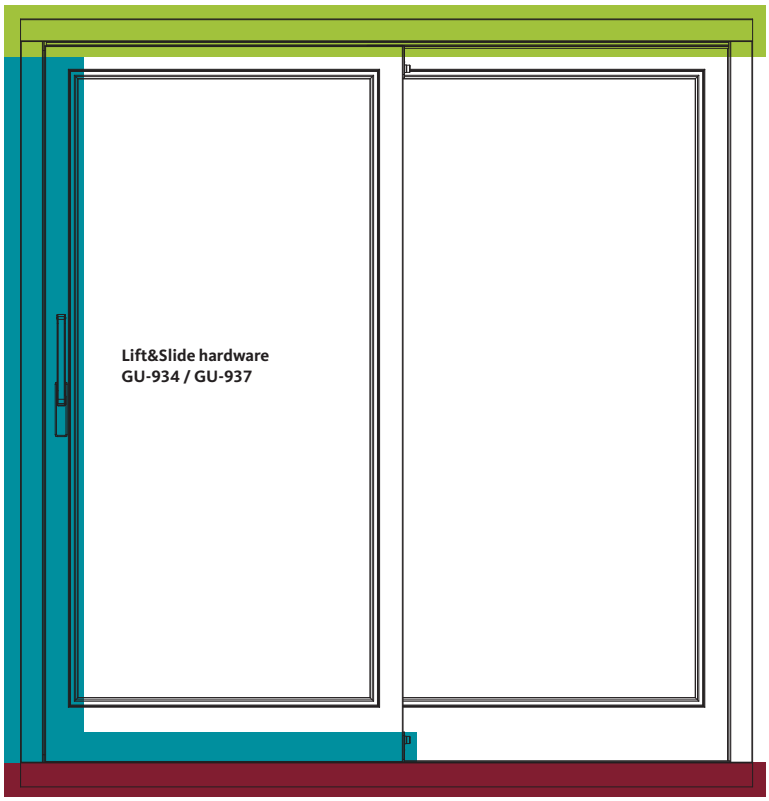
Pattern K

You can find more detailed information about this on page 485.

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850

P 1786 guide track



GU-thermostep 204 threshold

Table of contents

Hardware overviews

Lift&Slide hardware	Chapter	From page
GU-934	2.1	96
GU-934 Tandem	2.1	100
GU-937	2.1	104
GU-937 Tandem	2.1	108

Threshold	Chapter	From page
GU-thermostep 204	2.2	130

Guide track	Chapter	From page
P 1850	2.3	200

Individual parts overviews

Lift&Slide hardware	Chapter	From page
GU-934	3.1	204
GU-934 Tandem	3.1	204
GU-937	3.1	204
GU-937 Tandem	3.1	204

Threshold	Chapter	From page
GU-thermostep 204	3.2	224

Guide track	Chapter	From page
P 1850	3.3	312

Description	Chapter	From page
Individual seals and gasket profiles	3.4	316

Description	Chapter	From page
Drilling jigs and auxiliary tools	4.0	329
Special applications	5.0	341
Turn handles and accessories	6.0	409

2.1 Lift&Slide hardware

GU-934 96
GU-934 Tandem 100
GU-937 104
GU-937 Tandem 108

2.2 Thresholds

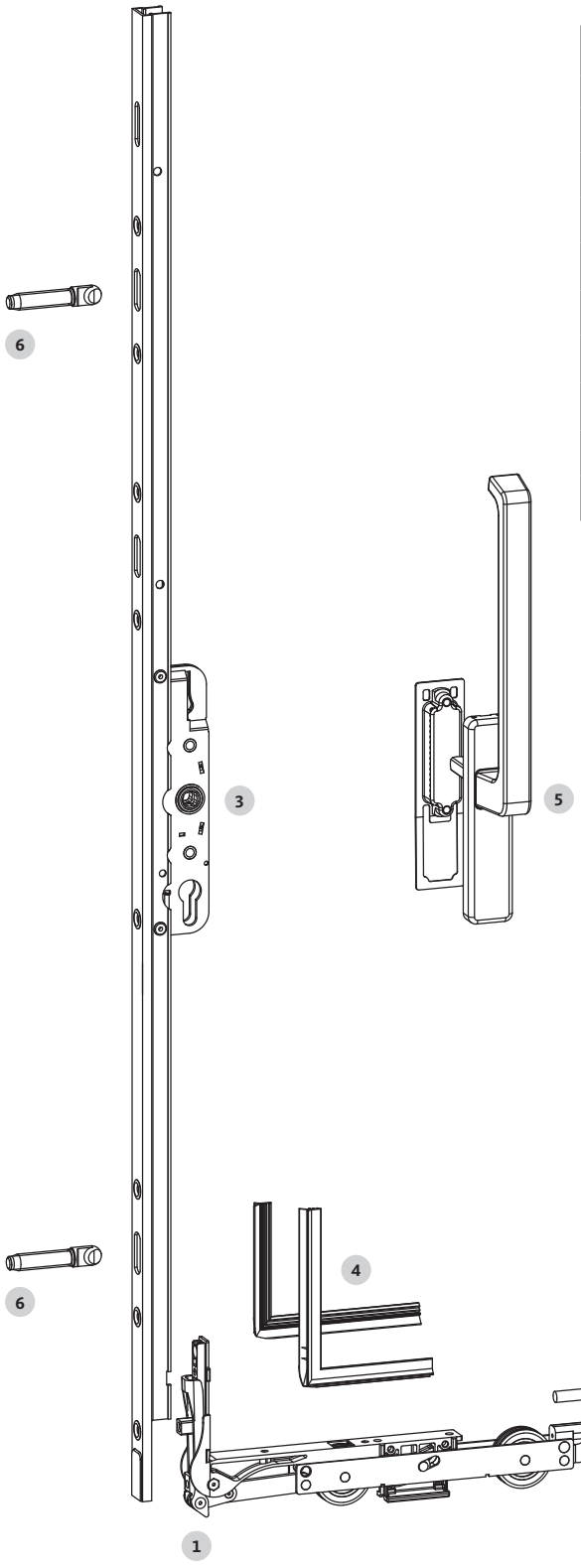
GU-thermostep 204 112
GU-thermostep 164 134
GU threshold 47 146
GU-flatstep 222 154
GU-flatstep 164 166
GU-timberstep 204 174
GU-timberstep 164 190

2.3 Guide tracks

P 1786 198
P 1850 / P 1849 200

Lift&Slide hardware GU-934

For sash weights up to max. 350 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapter
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1

Lift&Slide hardware GU-934

For sash weights up to max. 350 kg

kg max. 350

1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-934	ferGUard	1	K-16488-00-0-1
													faceGUard	1	K-16488-00-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	700 – 1600	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												1601 – 1850	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												1851 – 2350	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2351 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 5 mm roller track and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Roller track 5 mm Roller track 10 mm	Cover rail	Lock case, connecting rod		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18
Alternative: Lift&Slide gear, 27.5 mm backset, 5 mm roller track and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
													EV 1 / light grey	faceGUard	10	6-30019-19-0-18
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
													EV 1 / light grey	faceGUard	10	6-30019-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30019-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
													EV 1 / light grey	faceGUard	10	6-30019-28-0-18
Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	EV 1 / light grey	ferGUard	10	6-32030-00-0-1
													UC 5 / dark bronze	ferGUard	10	6-32030-00-0-5
													EV 1 / light grey	faceGUard	10	6-32030-00-0-18

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-934

For sash weights up to max. 350 kg

4 Individual seals and gasket profiles

max. 350 kg

P 743 gasket profile [1]

Pattern												Application range	SH / SW [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW		

P 743 gasket corner

Pattern												Application range	Length [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	2500	1	9-26729-25-0-6
2	2	2	4	2	6	–	2	2	4	4	2		3500	1	9-26729-35-0-6

Accessories

L&S accessories, meeting stile

Pattern												SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1

Contains: 2 x meeting stile gaskets

Tension spring [2]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	9-40235-05-0-0

L&S handle damper [3]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6

Contains: 1 x handle damper, accessory

Buffer S [4]

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	2	–	4	–	–	–	4	–	–		black	1	K-19035-00-0-6
													white	1	K-19035-00-0-7
													cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

L&S bottom keeper

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	–	–	1	–	–	1	–	–		ferGUard	1	K-12057-00-0-1

Contains: 1 x bottom keeper, fixing screws

[1] You can find other versions on page 317.
[2] **Recommended from a sash weight of 200 kg** for reduction of the operating forces.
[3] **Recommended from a sash weight of 100 kg** for controlled lowering of the sliding sash.
[4] You can find suitable packers on page 219.

L&S turn handles

max. 350 kg

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1
													dark brown [4]	1	K-13265-00-0-5
													white, RAL 9016	1	K-13265-00-0-7
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1
													dark brown [4]	1	K-13785-00-0-5
													white, RAL 9016	1	K-13785-00-0-7

The following must also be ordered for each turn handle:

Fixing screws [2]												ST	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]												**ST**	**Finish**	**PU**	**Order no.**
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware

Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	3	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16606-00-0-1
														faceGUard	1	K-16606-00-0-18
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16607-00-0-1
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17375-00-0-1
Pattern												**Guide track**		**Finish**	**PU**	**Order no.**
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-17737-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-20064-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 409.

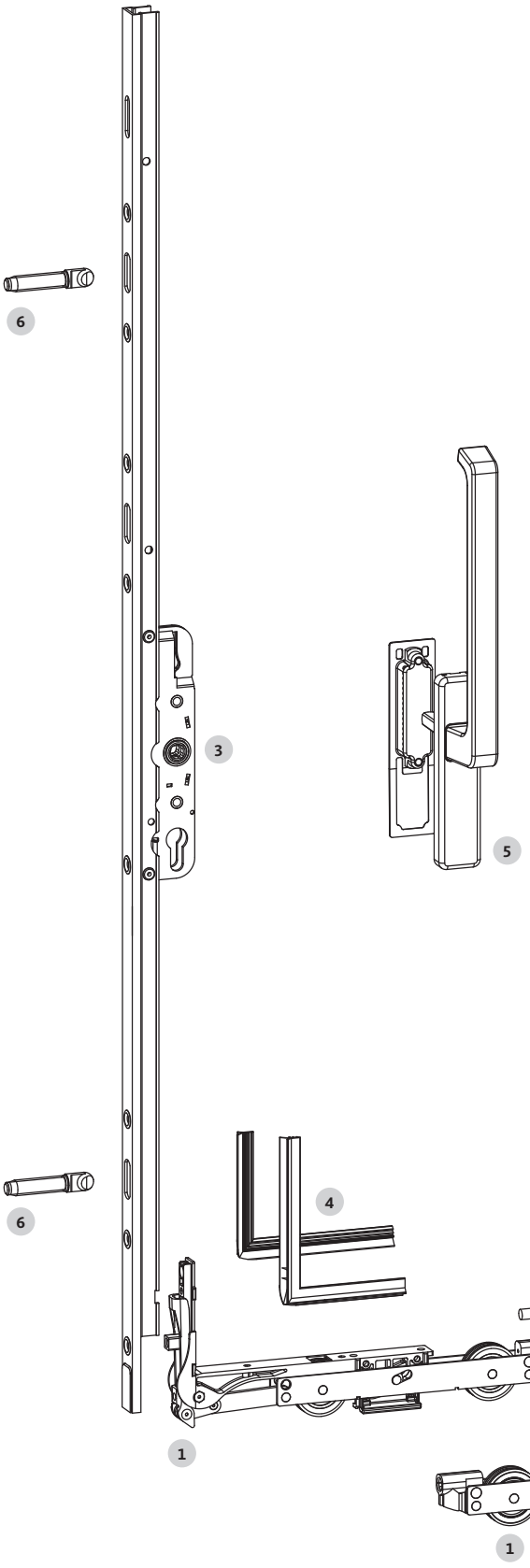
[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapter
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1

Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg

kg max. 400

1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-934	ferGUard	1	K-16488-00-0-1
													faceGUard	1	K-16488-00-0-18
1	1	2	2	2	4	1	1	1	3	2	4	GU-934 Tandem	ferGUard	1	K-17804-01-0-1
													faceGUard	1	K-17804-01-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	1210 – 2100	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												2101 – 2350	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												2351 – 2900	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2901 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 5 mm roller track and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Roller track 5 mm Roller track 10 mm	Cover rail	Lock case, connecting rod		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18
Alternative: Lift&Slide gear, 27.5 mm backset, 5 mm roller track and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
													EV 1 / light grey	faceGUard	10	6-30019-19-0-18
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
													EV 1 / light grey	faceGUard	10	6-30019-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30019-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
													EV 1 / light grey	faceGUard	10	6-30019-28-0-18
Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	EV 1 / light grey	ferGUard	10	6-32030-00-0-1
													UC 5 / dark bronze	ferGUard	10	6-32030-00-0-5
													EV 1 / light grey	faceGUard	10	6-32030-00-0-18

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg

4 Individual seals and gasket profiles

max. 400 kg

P 743 gasket profile [1]

Pattern												Application range	SH / SW [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW		

P 743 gasket corner

Pattern												Application range	SH / SW [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	up to 2500	1	9-26729-25-0-6
2	2	2	4	2	6	–	2	2	4	4	2		up to 3500	1	9-26729-35-0-6

Accessories

L&S accessories, meeting stile

Pattern												SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1

Contains: 2 x meeting stile gaskets

Tension spring [2]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4		1	9-40235-05-0-0

L&S handle damper [3]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6

Contains: 1 x handle damper, accessory

Buffer S [4]

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	2	–	4	–	–	–	4	–	–		black	1	K-19035-00-0-6
													white	1	K-19035-00-0-7
													cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

L&S bottom keeper

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	–	–	1	–	–	1	–	–		ferGUard	1	K-12057-00-0-1

Contains: 1 x bottom keeper, fixing screws

[1] You can find other versions on page 317.

[2] **Recommended from a sash weight of 200 kg** for reduction of the operating forces.

[3] **Recommended from a sash weight of 100 kg** for controlled lowering of the sliding sash.

[4] You can find suitable packers on page 219.

L&S turn handles

max. 400 kg

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1
													dark brown [4]	1	K-13265-00-0-5
													white, RAL 9016	1	K-13265-00-0-7
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1
													dark brown [4]	1	K-13785-00-0-5
													white, RAL 9016	1	K-13785-00-0-7

The following must also be ordered for each turn handle:

Fixing screws [2]												ST	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]												**ST**	**Finish**	**PU**	**Order no.**
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware

Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	3	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16606-00-0-1
														faceGUard	1	K-16606-00-0-18
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16607-00-0-1
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17375-00-0-1
Pattern												**Guide track**		**Finish**	**PU**	**Order no.**
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-17737-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-20064-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 409.

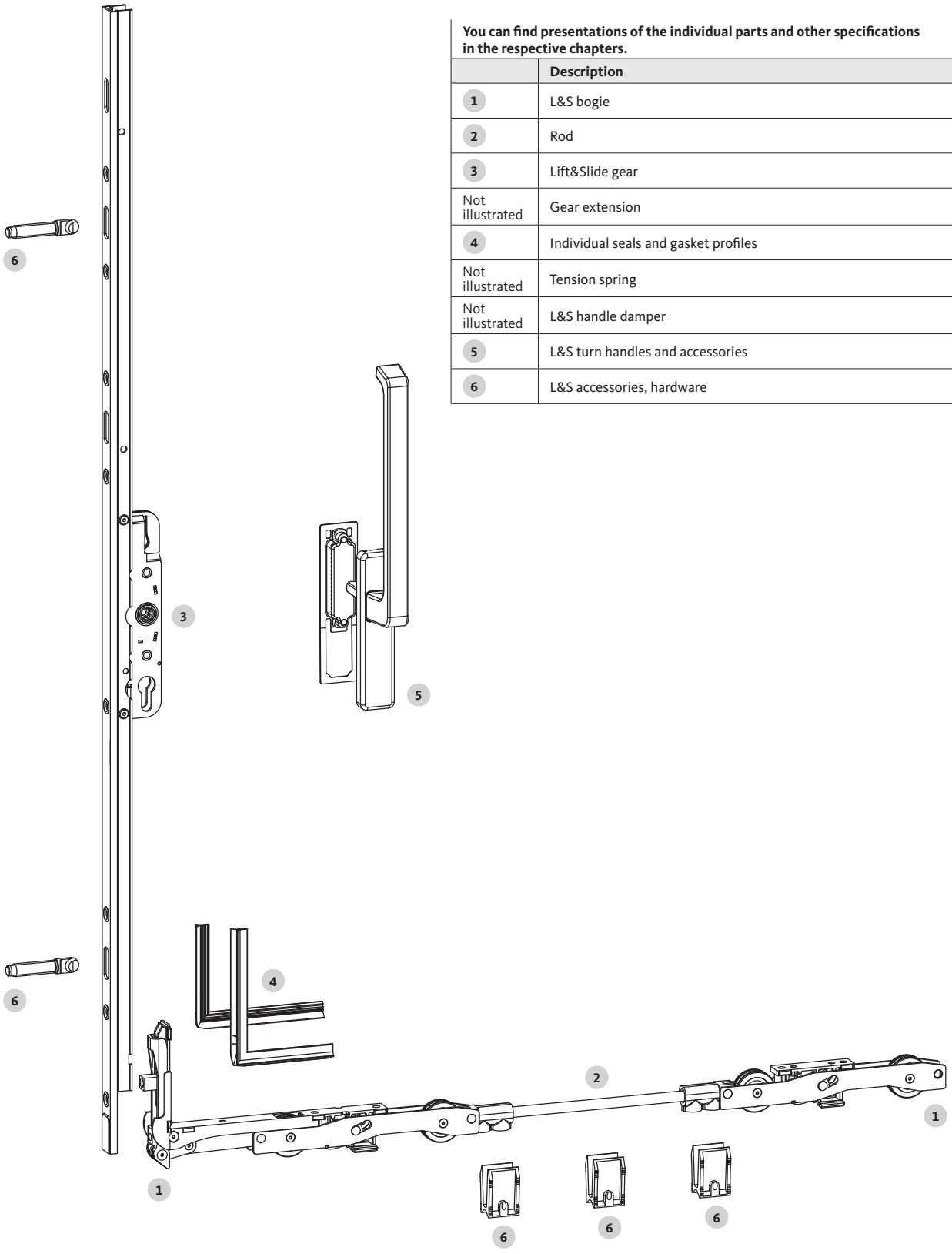
[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

Lift&Slide hardware GU-937

For sash weights up to max. 200 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapter
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1

Lift&Slide hardware GU-937

For sash weights up to max. 200 kg

kg max. 200

1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-937	ferGUard	1	K-16493-00-0-1
													faceGUard	1	K-16493-00-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	700 – 1600	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												1601 – 1850	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												1851 – 2350	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2351 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 5 mm roller track and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Roller track 5 mm Roller track 10 mm	Cover rail	Lock case, connecting rod		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18
Alternative: Lift&Slide gear, 27.5 mm backset, 5 mm roller track and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
													EV 1 / light grey	faceGUard	10	6-30019-19-0-18
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
													EV 1 / light grey	faceGUard	10	6-30019-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30019-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
													EV 1 / light grey	faceGUard	10	6-30019-28-0-18
Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	EV 1 / light grey	ferGUard	10	6-32030-00-0-1
													UC 5 / dark bronze	ferGUard	10	6-32030-00-0-5
													EV 1 / light grey	faceGUard	10	6-32030-00-0-18

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-937

For sash weights up to max. 200 kg

max. 200 kg

4 Individual seals and gasket profiles

P 743 gasket profile [1]

Pattern												Application range	SH / SW [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW		

P 743 gasket corner

Pattern												Application range	Length [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	2500	1	9-26729-25-0-6
2	2	2	4	2	6	–	2	2	4	4	2		3500	1	9-26729-35-0-6

Accessories

L&S accessories, meeting stile

Pattern												SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1

Contains: 2 x meeting stile gaskets

L&S handle damper [2]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6

Contains: 1 x handle damper, accessory

Buffer S [3]

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	2	–	4	–	–	–	4	–	–		black	1	K-19035-00-0-6
													white	1	K-19035-00-0-7
													cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

L&S bottom keeper

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	–	–	1	–	–	1	–	–		ferGUard	1	K-12057-00-0-1

Contains: 1 x bottom keeper, fixing screws

[1] You can find other versions on page 317.

[2] **Recommended from a sash weight of 100 kg** for controlled lowering of the sliding sash.

[3] You can find suitable packers on page 219.

L&S turn handles

kg max. 200

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1
													dark brown [4]	1	K-13265-00-0-5
													white, RAL 9016	1	K-13265-00-0-7
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1
													dark brown [4]	1	K-13785-00-0-5
													white, RAL 9016	1	K-13785-00-0-7

The following must also be ordered for each turn handle:

Fixing screws [2]												ST	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]												**ST**	**Finish**	**PU**	**Order no.**
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware

Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	3	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16608-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16609-00-0-1
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17378-00-0-1
Pattern												**Guide track**		**Finish**	**PU**	**Order no.**
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-20065-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-18079-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 409.

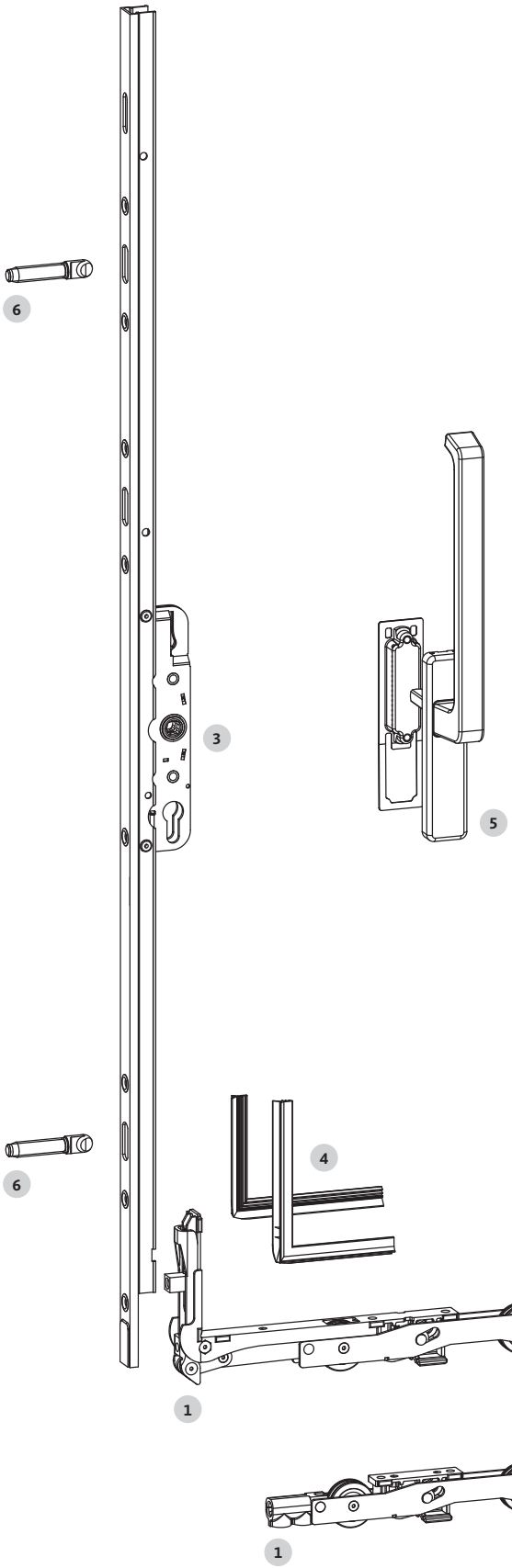
[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapter
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1

Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg

kg max. 400

1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-937	ferGUard	1	K-16493-00-0-1
													faceGUard	1	K-16493-00-0-18
1	1	2	2	2	4	1	1	1	3	2	4	GU-937 Tandem	ferGUard	1	K-17759-01-0-1
													faceGUard	1	K-17759-01-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	1210 – 2100	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												2101 – 2350	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												2351 – 2900	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2901 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 5 mm roller track and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Roller track 5 mm Roller track 10 mm	Cover rail	Lock case, connecting rod		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18
Alternative: Lift&Slide gear, 27.5 mm backset, 5 mm roller track and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
													EV 1 / light grey	faceGUard	10	6-30019-19-0-18
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
													EV 1 / light grey	faceGUard	10	6-30019-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30019-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
													EV 1 / light grey	faceGUard	10	6-30019-28-0-18
Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	EV 1 / light grey	ferGUard	10	6-32030-00-0-1
													UC 5 / dark bronze	ferGUard	10	6-32030-00-0-5
													EV 1 / light grey	faceGUard	10	6-32030-00-0-18

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg

4 Individual seals and gasket profiles

max. 400 kg

P 743 gasket profile [1]

Pattern												Application range	SH / SW [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW		

P 743 gasket corner

Pattern												Application range	Length [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	2500	1	9-26729-25-0-6
2	2	2	4	2	6	–	2	2	4	4	2		3500	1	9-26729-35-0-6

Accessories

L&S accessories, meeting stile

Pattern												SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1

Contains: 2 x meeting stile gaskets

Tension spring [2]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	9-40235-05-0-0

L&S handle damper [3]

Pattern													PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6

Contains: 1 x handle damper, accessory

Buffer S [4]

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	2	–	4	–	–	–	4	–	–		black	1	K-19035-00-0-6
													white	1	K-19035-00-0-7
													cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

L&S bottom keeper

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	–	–	1	–	–	1	–	–		ferGUard	1	K-12057-00-0-1

Contains: 1 x bottom keeper, fixing screws

[1] You can find other versions on page 317.
[2] **Recommended from a sash weight of 200 kg** for reduction of the operating forces.
[3] **Recommended from a sash weight of 100 kg** for controlled lowering of the sliding sash.
[4] You can find suitable packers on page 219.

L&S turn handles

max. 400 kg

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1
													dark brown [4]	1	K-13265-00-0-5
													white, RAL 9016	1	K-13265-00-0-7
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1
													dark brown [4]	1	K-13785-00-0-5
													white, RAL 9016	1	K-13785-00-0-7
The following must also be ordered for each turn handle:															
Fixing screws [2]												**ST**	**Finish**	**PU**	**Order no.**
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]													**ST**	**Finish**	**PU**	**Order no.**
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware

Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	3	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16608-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16609-00-0-1
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17378-00-0-1
Pattern												**Guide track**		**Finish**	**PU**	**Order no.**
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-20065-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-18079-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 409.

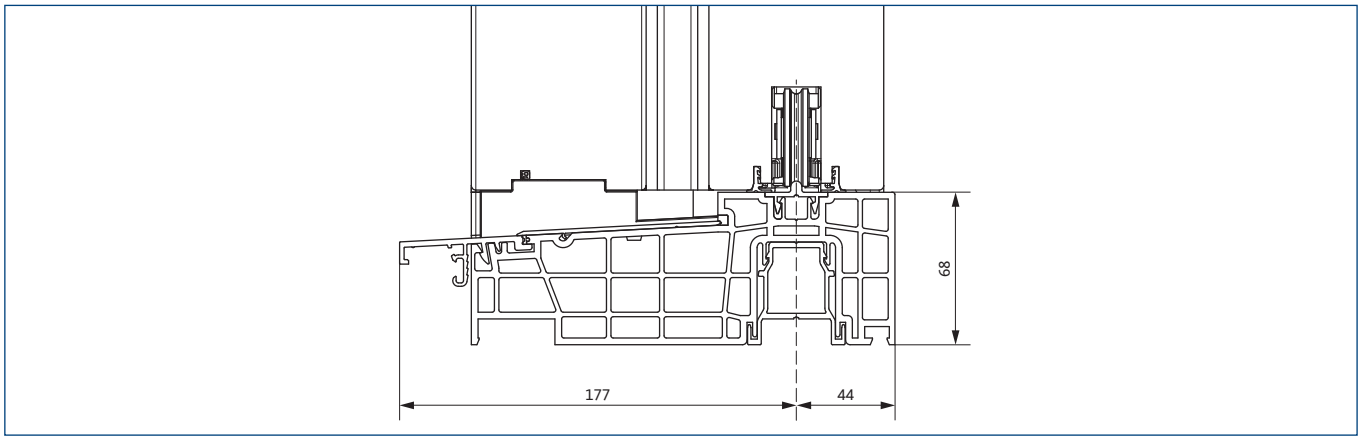
[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1
													3500	EV 1 / light grey	1	6-36035-35-0-1
													4000	EV 1 / light grey	1	6-36035-40-0-1
													4500	EV 1 / light grey	1	6-36035-45-0-1
													5000	EV 1 / light grey	1	6-36035-50-0-1
													6700	EV 1 / light grey	1	6-36035-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1

Contains: 2 x coupling part, 1 x gasket plate, accessories

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1987 attachment track 19/71

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	2	–	–	–	2	2	1	–	2	–	78	Length = SW	2000	EV 1 / light grey	1	P-01987-20-0-1
														2500	EV 1 / light grey	1	P-01987-25-0-1
														3350	EV 1 / light grey	1	P-01987-33-0-1

L&S accessories, threshold

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	–	2	–	–	–	2	1	1	–	2	–	78	–	1	K-18701-00-0-1

Contains: end caps, gasket plates

Tread thresholds, drip rails and roller tracks – for total frame widths up to 5000 mm

L&S tread threshold – 5 mm roller track

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	1	–	–	–	1	1	1	–	1	–	78	Length = TFW	3500	EV 1 / light grey	1	K-18687-35-0-1
														5000	EV 1 / light grey	1	K-18687-50-0-1
Alternative: L&S tread threshold – 10 mm roller track																	
1	–	1	–	–	–	1	1	1	–	1	–	78	Length = TFW	3500	EV 1 / light grey	1	K-18688-35-0-1
														5000	EV 1 / light grey	1	K-18688-50-0-1

Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	–	–	1	1	1	–	2	–	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 2151 drip rail

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	6700	EV 1 / light grey	1	P-02151-67-0-1

P 1636 roller track 5 (5 mm)

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
														UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
														UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
														UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H | (continued on page 115)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
–	1	–	1	–	2	–	–	–	1	–	–	78	Length = SW	2500	EV 1 / light grey	1	K-18706-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile																	

Attachment tracks for total frame widths from 5001 mm

P 1988 attachment track-1 19/71

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
–	1	–	1	–	2	–	–	–	1	–	–	78	Length = SW	3350	EV 1 / light grey	1	P-01988-33-0-1
P 1988 attachment track-2 19/71																	
–	1	–	1	–	2	–	–	–	1	–	–	78	Length = SW	3350	EV 1 / light grey	1	9-48285-33-0-1
P 1645 gasket																	
–	1	–	1	–	2	–	–	–	1	–	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	1	–	1	–	2	–	–	–	2	–	–	78	–	1	K-18711-05-0-1
Alternative: L&S accessories, threshold – 10 mm roller track															
–	1	–	1	–	2	–	–	–	2	–	–	78	–	1	K-18711-10-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws															

Drip rails

P 2151 drip rail

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	1	–	1	–	1	–	–	–	1	–	–	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
													4000	EV 1 / light grey	1	P-02151-40-0-1
													5000	EV 1 / light grey	1	P-02151-50-0-1
														UC 5 / dark bronze	1	P-02151-50-0-5
													6700	EV 1 / light grey	1	P-02151-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
P 1636 roller track 5 (5 mm)																
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
													6700	EV 1 / light grey	1	9-39312-67-0-1
														UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)																
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
													6700	EV 1 / light grey	1	9-39330-67-0-1
														UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)																
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
													4000	EV 1 / light grey	1	9-39311-40-0-1
													5000	EV 1 / light grey	1	9-39311-50-0-1
													6700	EV 1 / light grey	1	9-39311-67-0-1
														UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm

Hardware requirements – patterns E, L | (continued on page 117)

P 1719 extension profile

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	6700	EV 1 / light grey	1	P-01719-67-0-1

P 1721 tread threshold

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	4600	EV 1 / light grey	1	P-01721-46-0-1

P 1951 Comfort profile

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅓ TFW	3300	EV 1 / light grey	1	P-01951-33-0-1

P 1988 attachment track-1 19/71 | Centre sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	2000	EV 1 / light grey	1	P-01988-20-0-1
													2500	EV 1 / light grey	1	P-01988-25-0-1
													3350	EV 1 / light grey	1	P-01988-33-0-1

P 1987 attachment track 19/71 | Fixed-glazed sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅓ TFW	2000	EV 1 / light grey	1	P-01987-20-0-1
													2500	EV 1 / light grey	1	P-01987-25-0-1
													3350	EV 1 / light grey	1	P-01987-33-0-1

L&S accessories, threshold – 5 mm roller track

Pattern												ST [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	1	–	–	–	–	–	–	2	78	–	1	K-20072-05-0-1

Contains: end caps, gaskets

Intermediate profile 35 | Centre sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	6000	EV 1 / light grey	1	P-02124-60-0-1

Intermediate profile 35 | Fixed-glazed sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅓ TFW	6000	EV 1 / light grey	1	P-02124-60-0-1

Hardware requirements – patterns E, L

P 2151 drip rail

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
													4000	EV 1 / light grey	1	P-02151-40-0-1
													5000	EV 1 / light grey	1	P-02151-50-0-1
														UC 5 / dark bronze	1	P-02151-50-0-5
													6700	EV 1 / light grey	1	P-02151-67-0-1

P 1636 roller track 5 (5 mm)

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
														UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)																
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
														UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)																
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	9-39311-40-0-1
													5000	EV 1 / light grey	1	9-39311-50-0-1
													6700	EV 1 / light grey	1	9-39311-67-0-1
														UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern												ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	2	1	1	1	1	78	63	grey	1	K-17914-03-0-1
1	1	1	1	1	1	1	2	1	1	1	1	78	56	grey	1	K-18493-03-0-1
Contains: 2 x corner connector, 2 x gasket plate																

L&S corner connector extension

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	1	–	–	–	–	–	–	1		grey	1	K-18313-02-0-1
Contains: 2 x corner connector															

L&S corner connection parts

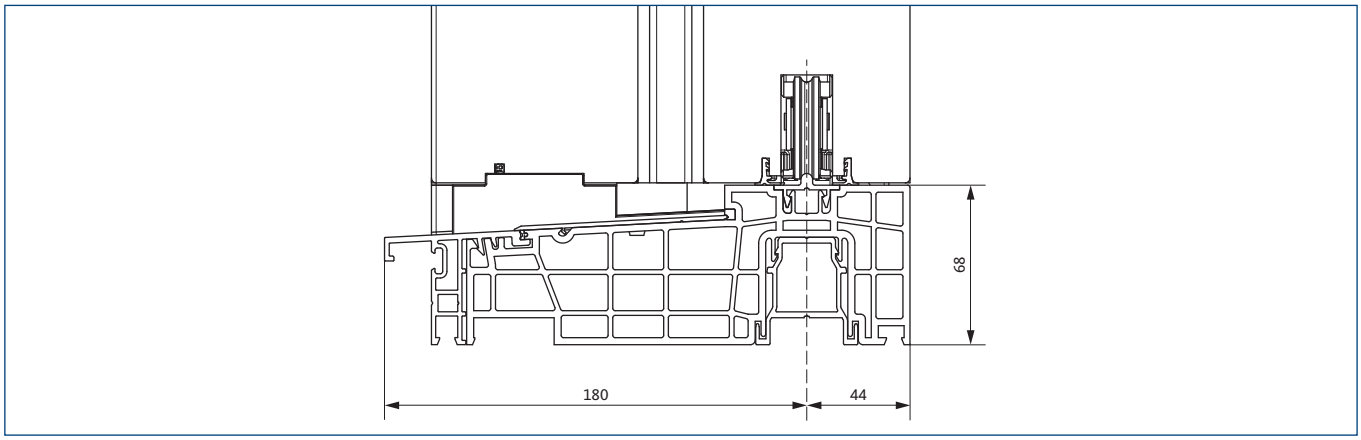
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Description	Finish	PU	Order no.
1	1	1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws															

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1
											3500	EV 1 / light grey	1	6-36035-35-0-1
											4000	EV 1 / light grey	1	6-36035-40-0-1
											4500	EV 1 / light grey	1	6-36035-45-0-1
											5000	EV 1 / light grey	1	6-36035-50-0-1
											6700	EV 1 / light grey	1	6-36035-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern											Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories													

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1
												3300	EV 1 / light grey	1	P-01993-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1
Contains: end caps, gasket plates													

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 5 mm roller track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1
												5000	EV 1 / light grey	1	K-18690-50-0-1
Alternative: L&S tread threshold – 10 mm roller track															
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1
												5000	EV 1 / light grey	1	K-18691-50-0-1
Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track															

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 1927 drip rail 15

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H | (continued on page 121)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1994 attachment track-1 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1
P 1994 attachment track-2 19/81															
–	1	–	1	2	–	–	–	1	–	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Drip rails

P 1927 drip rail 15

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	1	–	–	–	1	–	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1
											3500	EV 1 / light grey	1	9-47293-35-0-1
											4000	EV 1 / light grey	1	9-47293-40-0-1
											4500	EV 1 / light grey	1	9-47293-45-0-1
											5000	EV 1 / light grey	1	9-47293-50-0-1
											6700	EV 1 / light grey	1	9-47293-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

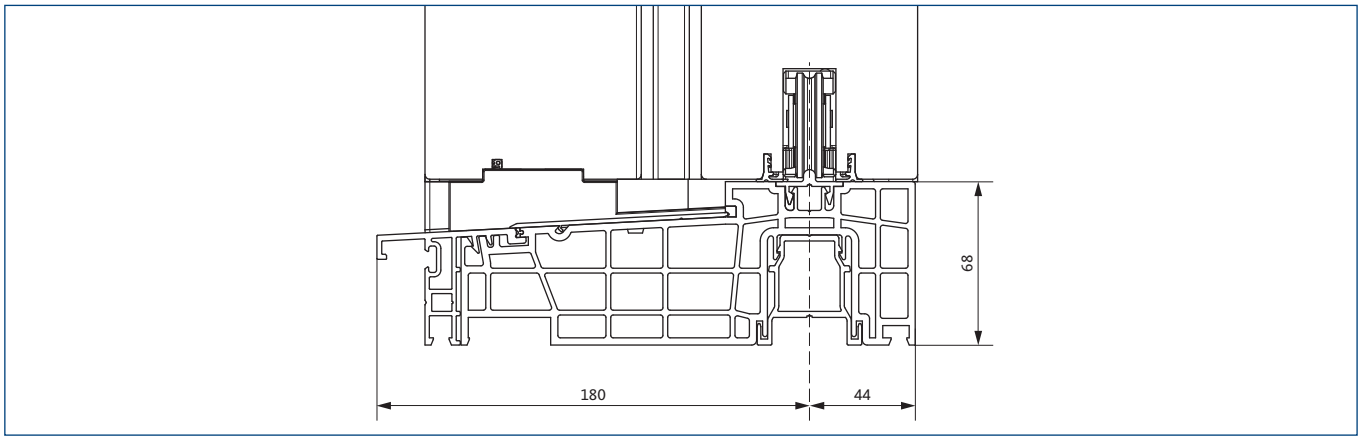
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1
											3500	EV 1 / light grey	1	6-36035-35-0-1
											4000	EV 1 / light grey	1	6-36035-40-0-1
											4500	EV 1 / light grey	1	6-36035-45-0-1
											5000	EV 1 / light grey	1	6-36035-50-0-1
											6700	EV 1 / light grey	1	6-36035-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern											Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories													

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1
												3350	EV 1 / light grey	1	P-01991-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1
Contains: end caps, gasket plates													

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 5 mm roller track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1
												5000	EV 1 / light grey	1	K-18690-50-0-1
Alternative: L&S tread threshold – 10 mm roller track															
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1
												5000	EV 1 / light grey	1	K-18691-50-0-1
Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track															

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 1927 drip rail 15

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 90 mm, sash distance 25 mm

Hardware requirements – patterns A3, D, F, H | (continued on page 125)

Attachment tracks for total frame widths up to 5000 mm

P 1992 attachment track-1 19/80														
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1
P 1992 attachment track-2 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

Attachment tracks for total frame widths from 5001 mm

P 1992 attachment track-1 19/80														
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1
P 1992 attachment track-2 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track													
Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Drip rails

P 1927 drip rail 15													
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	1	–	–	–	1	–	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1
											3500	EV 1 / light grey	1	9-47293-35-0-1
											4000	EV 1 / light grey	1	9-47293-40-0-1
											4500	EV 1 / light grey	1	9-47293-45-0-1
											5000	EV 1 / light grey	1	9-47293-50-0-1
											6700	EV 1 / light grey	1	9-47293-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

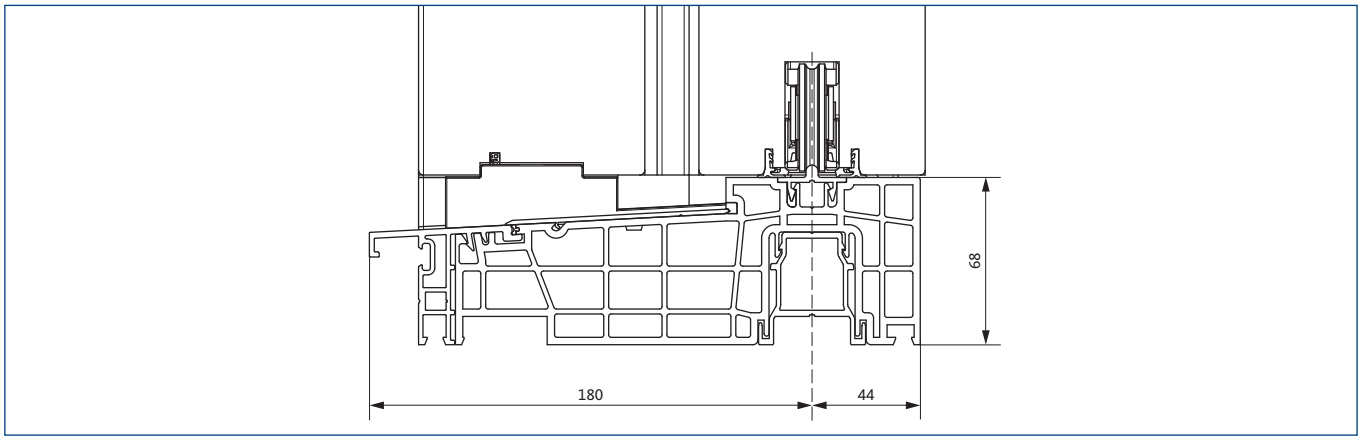
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1
											3500	EV 1 / light grey	1	6-36035-35-0-1
											4000	EV 1 / light grey	1	6-36035-40-0-1
											4500	EV 1 / light grey	1	6-36035-45-0-1
											5000	EV 1 / light grey	1	6-36035-50-0-1
											6700	EV 1 / light grey	1	6-36035-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern											Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories													

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1
												3350	EV 1 / light grey	1	P-01989-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1
Contains: end caps, gasket plates													

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 5 mm roller track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1
												5000	EV 1 / light grey	1	K-18690-50-0-1
Alternative: L&S tread threshold – 10 mm roller track															
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1
												5000	EV 1 / light grey	1	K-18691-50-0-1
Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track															

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 1927 drip rail 15

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 92 mm, sash distance 22 mm

Hardware requirements – patterns A3, D, F, H | (continued on page 129)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1990 attachment track-1 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1
P 1990 attachment track-2 19/79															
–	1	–	1	2	–	–	–	1	–	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Drip rails

P 1927 drip rail 15

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	1	–	–	–	1	–	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1
											3500	EV 1 / light grey	1	9-47293-35-0-1
											4000	EV 1 / light grey	1	9-47293-40-0-1
											4500	EV 1 / light grey	1	9-47293-45-0-1
											5000	EV 1 / light grey	1	9-47293-50-0-1
											6700	EV 1 / light grey	1	9-47293-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

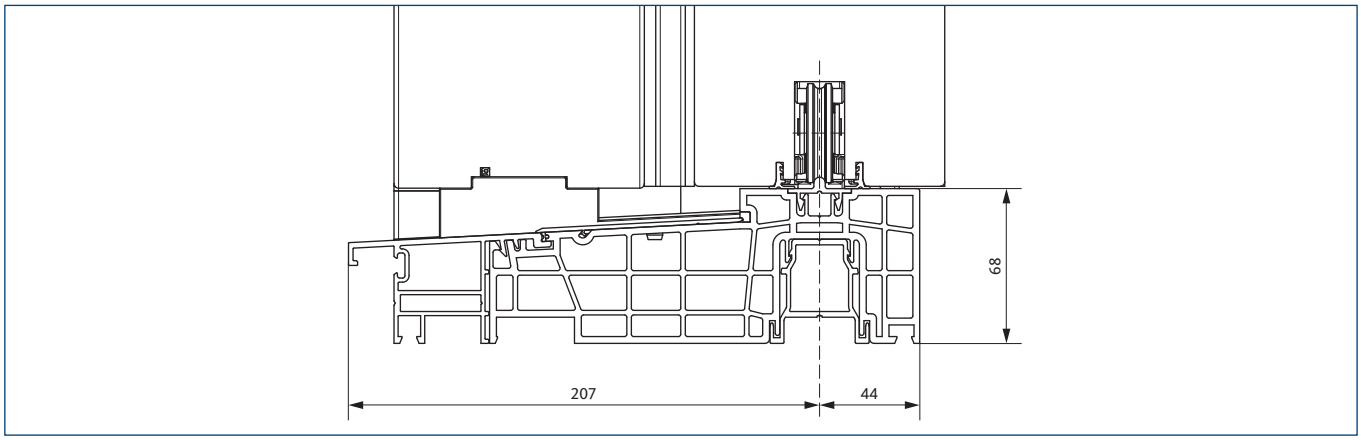
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 110 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1
											3500	EV 1 / light grey	1	6-36035-35-0-1
											4000	EV 1 / light grey	1	6-36035-40-0-1
											4500	EV 1 / light grey	1	6-36035-45-0-1
											5000	EV 1 / light grey	1	6-36035-50-0-1
											6700	EV 1 / light grey	1	6-36035-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern											Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories													

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1995 attachment track 20/97

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	110	Length = SW	2500	EV 1 / light grey	1	P-01995-25-0-1
												3350	EV 1 / light grey	1	P-01995-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	110	–	1	K-18705-00-0-1
Contains: end caps, gasket plates													

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 5 mm roller track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	110	Length = TFW	3500	EV 1 / light grey	1	K-18693-35-0-1
												5000	EV 1 / light grey	1	K-18693-50-0-1
Alternative: L&S tread threshold – 10 mm roller track															
1	–	1	–	–	1	1	1	–	1	110	Length = TFW	3500	EV 1 / light grey	1	K-18694-35-0-1
												5000	EV 1 / light grey	1	K-18694-50-0-1
Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track															

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 1959 drip rail 42

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-47709-50-0-1
											6700	EV 1 / light grey	1	9-47709-67-0-1

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 204 threshold

Sash thickness 110 mm, sash distance 22 mm

Hardware requirements – patterns A3, D, F, H | (continued on page 133)

Attachment tracks for total frame widths up to 5000 mm

P 1996 attachment track-1 20/97														
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	110	Length = SW	2500	EV 1 / light grey	1	P-01996-25-0-1
P 1996 attachment track-2 20/97															
–	1	–	1	2	–	–	–	1	–	110	Length = SW	2500	EV 1 / light grey	1	9-48290-25-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

Attachment tracks for total frame widths from 5001 mm

P 1996 attachment track-1 20/97														
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	110	Length = SW	3350	EV 1 / light grey	1	P-01996-33-0-1
P 1996 attachment track-2 20/97															
–	1	–	1	2	–	–	–	1	–	110	Length = SW	3350	EV 1 / light grey	1	9-48290-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track													
Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	110	–	1	K-18715-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Drip rails

P 1959 drip rail 42													
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	1	–	–	–	1	–	Length = TFW	3000	EV 1 / light grey	1	9-47709-30-0-1
											3500	EV 1 / light grey	1	9-47709-35-0-1
											4000	EV 1 / light grey	1	9-47709-40-0-1
											4500	EV 1 / light grey	1	9-47709-45-0-1
											5000	EV 1 / light grey	1	9-47709-50-0-1
											6700	EV 1 / light grey	1	9-47709-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	110	63	grey	1	K-17914-05-0-1
1	1	1	1	1	1	2	1	1	1	110	56	grey	1	K-18493-05-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

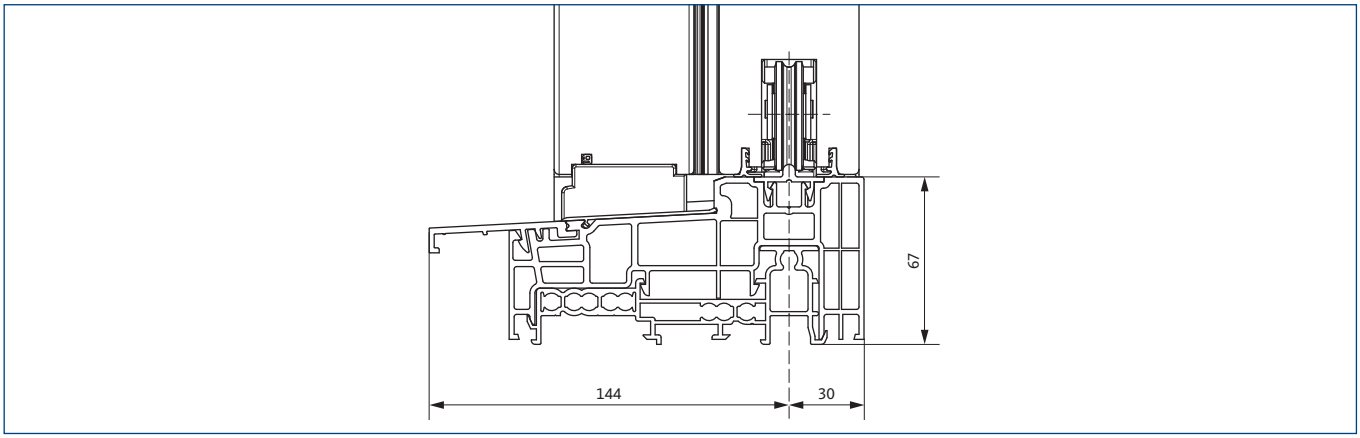
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 224 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 56 and 68 mm, sash distance 10 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile

Pattern					Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K						
1	1	1	1		Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1
						3500	EV 1 / light grey	1	6-29938-35-0-1
						4000	EV 1 / light grey	1	6-29938-40-0-1
						4500	EV 1 / light grey	1	6-29938-45-0-1
						5000	EV 1 / light grey	1	6-29938-50-0-1
						6700	EV 1 / light grey	1	6-29938-67-0-1
							UC 5 / dark bronze	1	6-29938-67-0-5

For total frame widths from 6701 mm

L&S coupling part

Pattern					Finish	PU	Order no.
A	C	G2	K				
1	1	1	1		–	1	K-15432-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories							

Hardware requirements – all patterns

L&S attachment track

Pattern					ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K							
1	2	2	2		56 [2] 68	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1
							2000	EV 1 / light grey	1	K-15660-20-0-1
							2500	EV 1 / light grey	1	K-15660-25-0-1
								UC 5 / dark bronze	1	K-15660-25-0-5

Contains: 1 x attachment track, 1 x intermediate profile, accessories

L&S tread threshold 5/126 – 5 mm roller track

Pattern					ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K							
1	1	1	1		56, 68	Length = TFW	3500	UC 5 / dark bronze	1	K-15656-35-0-5
							5000	UC 5 / dark bronze	1	K-15656-50-0-5

Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track

Corner connection parts – all patterns

L&S corner connection parts

Pattern				Description		Finish	PU	Order no.
A	C	G2	K					
1	1	1	1	top		ferGUard	1	K-10323-00-0-1
1	1	1	1	bottom		ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

Pattern					ST [mm]	FW [mm]	Finish	PU	Order no.
A	C	G2	K						
1	1	1	1		56, 68	56	black	1	K-15681-00-0-6
1	1	1	1		56, 68	68	black	1	K-15679-00-0-6

Contains: 2 x corner connector, 3 x gasket plate

Gaskets – all patterns

Gasket plate for meeting stile – for sash thickness 56 mm [2]

Pattern					ST [mm]	Finish	PU	Order no.
A	C	G2	K					
1	2	2	2		56	black	1	9-44980-01-0-6

P 1645 gasket

Pattern					Finish	PU	Order no.
A	C	G2	K				
–	–	2	–		black	1	9-39736-33-0-6

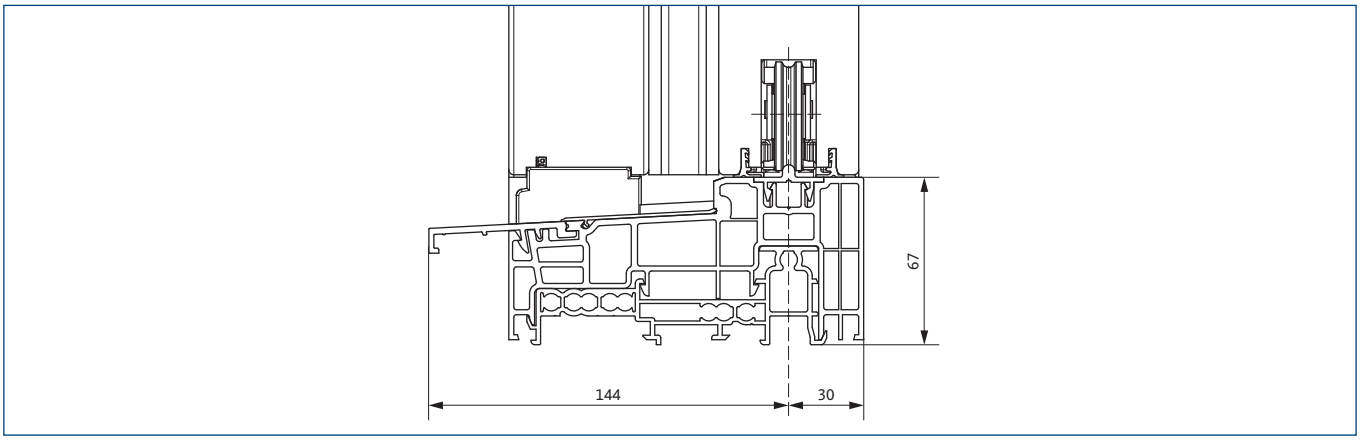
[1] You can find explanations about the reference dimension on pages 492 – 503.

[2] For sash thickness 56 mm, also order: gasket plate for meeting stile 9-44980-01-0-6.

You can find all individual parts in
Chapter 3.2 "Overviews of individual parts, thresholds" from page 242 and in
Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	1	1	1	1		Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1
								3500	EV 1 / light grey	1	6-29938-35-0-1
								4000	EV 1 / light grey	1	6-29938-40-0-1
								4500	EV 1 / light grey	1	6-29938-45-0-1
								5000	EV 1 / light grey	1	6-29938-50-0-1
								6700	EV 1 / light grey	1	6-29938-67-0-1
									UC 5 / dark bronze	1	6-29938-67-0-5

For total frame widths from 6701 mm

L&S coupling part

Pattern							Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1		–	1	K-15432-00-0-1

Contains: 2 x coupling part, 1 x gasket plate, accessories

Hardware requirements – patterns A, C, G2, K

Attachment tracks and accessories

L&S attachment track

Pattern							ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K							
1	2	–	–	2	2		56 [2]	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1
									2000	EV 1 / light grey	1	K-15660-20-0-1
									2500	EV 1 / light grey	1	K-15660-25-0-1
										UC 5 / dark bronze	1	K-15660-25-0-5

Contains: 1 x attachment track, 1 x intermediate profile, accessories

Tread thresholds, drip rails and roller tracks

L&S tread threshold 5/144 – 5 mm roller track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	–	–	1	1		Length = TFW	3500	EV 1 / light grey	1	K-15658-35-0-1
								5000	EV 1 / light grey	1	K-15658-50-0-1
Alternative: L&S tread threshold 10/144 – 10 mm roller track											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	K-16643-30-0-1
								4000	EV 1 / light grey	1	K-16643-40-0-1
								5000	EV 1 / light grey	1	K-16643-50-0-1
									UC 5 / dark bronze	1	K-16643-50-0-5
Alternative: L&S tread threshold 10/161 – 10 mm roller track – with P 1667 drip rail 161											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15657-30-0-1
								4000	EV 1 / light grey	1	K-15657-40-0-1
								5000	EV 1 / light grey	1	K-15657-50-0-1
									UC 5 / dark bronze	1	K-15657-50-0-5
Alternative: L&S tread threshold 15/144 – 15 mm roller track											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15655-30-0-1
								3500	EV 1 / light grey	1	K-15655-35-0-1
								4000	EV 1 / light grey	1	K-15655-40-0-1
								4500	EV 1 / light grey	1	K-15655-45-0-1
								5000	EV 1 / light grey	1	K-15655-50-0-1
									UC 5 / dark bronze	1	K-15655-50-0-5
Alternative: L&S tread threshold 15/161 – 15 mm roller track – with P 1667 drip rail 161											
1	1	–	–	1	1		Length = TFW	5000	EV 1 / light grey	1	K-15875-50-0-1

Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track

[1] You can find explanations about the reference dimension on pages 492 – 503.

[2] Also order: gasket plate for meeting stile 9-44980-01-0-6 – see page 320.

You can find all individual parts in
Chapter 3.2 "Overviews of individual parts, thresholds" from page 242 and in
Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm

Hardware requirements – patterns D, F

Attachment tracks and accessories

L&S attachment track

Pattern						ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	2	–	–	56 [2]	Length = SW	1500	EV 1 / light grey	1	K-15661-15-0-1
								2500	EV 1 / light grey	1	K-15661-25-0-1
									UC 5 / dark bronze	1	K-15661-25-0-5

Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, 1 x gasket profile, accessories

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
–	–	1	–	–	–		P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

Drip rails

P 2151 drip rail

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	1	–	–		Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
								4000	EV 1 / light grey	1	P-02151-40-0-1
								5000	EV 1 / light grey	1	P-02151-50-0-1
									UC 5 / dark bronze	1	P-02151-50-0-5
								6700	EV 1 / light grey	1	P-02151-67-0-1

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	2	2	–	–		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts

Pattern						Description		Finish	PU	Order no.
A	C	D	F	G2	K					
1	1	1	1	1	1	top		ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	bottom		ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

Pattern							ST [mm]	FW [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	1	1	1	1		56, 68	56	black	1	K-15681-00-0-6
1	1	1	1	1	1		56, 68	68	black	1	K-15679-00-0-6

Contains: 2 x corner connector, 3 x gasket plate

Gaskets – all patterns

Gasket plate for meeting stile – for sash thickness 56 mm [2]

Pattern							ST [mm]	Finish	PU	Order no.
A	C	D	F	G2	K					
1	2	1	2	2	2		56	black	1	9-44980-01-0-6

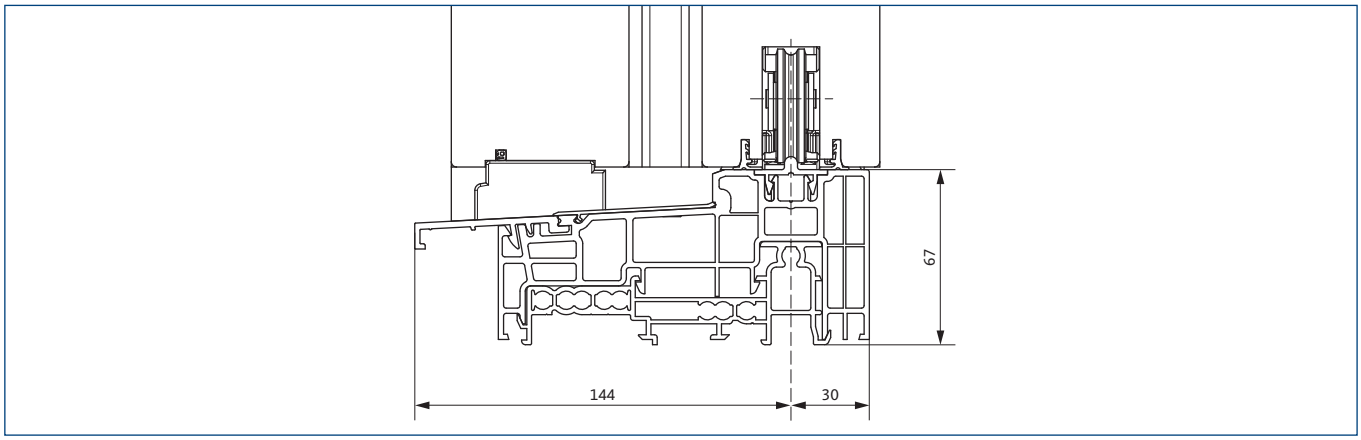
[1] You can find explanations about the reference dimension on pages 492 – 503.

[2] For sash thickness 56 mm, also order: gasket plate for meeting stile 9-44980-01-0-6.

You can find all individual parts in
Chapter 3.2 "Overviews of individual parts, thresholds" from page 242 and in
Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1
													3500	EV 1 / light grey	1	6-29938-35-0-1
													4000	EV 1 / light grey	1	6-29938-40-0-1
													4500	EV 1 / light grey	1	6-29938-45-0-1
													5000	EV 1 / light grey	1	6-29938-50-0-1
													6700	EV 1 / light grey	1	6-29938-67-0-1
														UC 5 / dark bronze	1	6-29938-67-0-5

For total frame widths from 6701 mm

L&S coupling part

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	1	1	1	1	1	1	1	1	1	1		–	1	K-15432-00-0-1

Contains: 2 x coupling part, 1 x gasket plate, accessories

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

L&S attachment track

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	2	–	–	–	2	2	1	–	2	–	68	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1
														2000	EV 1 / light grey	1	K-15660-20-0-1
														2500	EV 1 / light grey	1	K-15660-25-0-1
															UC 5 / dark bronze	1	K-15660-25-0-5

Contains: 1 x attachment track, 1 x intermediate profile, accessories

Tread thresholds, drip rails and roller tracks

L&S tread threshold 5/144 – 5 mm roller track

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	3500	EV 1 / light grey	1	K-15658-35-0-1
													5000	EV 1 / light grey	1	K-15658-50-0-1
Alternative: L&S tread threshold 10/144 – 10 mm roller track																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	3000	EV 1 / light grey	1	K-16643-30-0-1
													4000	EV 1 / light grey	1	K-16643-40-0-1
													5000	EV 1 / light grey	1	K-16643-50-0-1
														UC 5 / dark bronze	1	K-16643-50-0-5
Alternative: L&S tread threshold 10/161 – 10 mm roller track – with P 1667 drip rail 161																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	3000	EV 1 / light grey	1	K-15657-30-0-1
													4000	EV 1 / light grey	1	K-15657-40-0-1
													5000	EV 1 / light grey	1	K-15657-50-0-1
														UC 5 / dark bronze	1	K-15657-50-0-5
Alternative: L&S tread threshold 15/144 – 15 mm roller track																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	3000	EV 1 / light grey	1	K-15655-30-0-1
													3500	EV 1 / light grey	1	K-15655-35-0-1
													4000	EV 1 / light grey	1	K-15655-40-0-1
													4500	EV 1 / light grey	1	K-15655-45-0-1
													5000	EV 1 / light grey	1	K-15655-50-0-1
														UC 5 / dark bronze	1	K-15655-50-0-5
Alternative: L&S tread threshold 15/161 – 15 mm roller track – with P 1667 drip rail 161																
1	–	1	–	–	–	1	1	1	–	1	–	Length = TFW	5000	EV 1 / light grey	1	K-15875-50-0-1

Contains: 1 x tread threshold, 1 x drip rail, 1 x roller track

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" ' from page 242 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks and accessories

L&S attachment track

Pattern												ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
–	1	–	1	–	2	–	–	–	1	–	–	68	Length = SW	1500	EV 1 / light grey	1	K-15661-15-0-1
														2500	EV 1 / light grey	1	K-15661-25-0-1
															UC 5 / dark bronze	1	K-15661-25-0-5

Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, 1 x gasket profile, accessories

End caps for P 1633 attachment track-2

Pattern												Roller track	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L				on left	on right
–	1	–	1	–	–	–	–	–	–	–	–	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
													black	1	9-40295-00-L-6	9-40295-00-R-6
												P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
													black	1	9-39326-00-L-6	9-39326-00-R-6

Drip rails

P 2151 drip rail

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	1	–	1	–	1	–	–	–	1	–	–	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
													4000	EV 1 / light grey	1	P-02151-40-0-1
													5000	EV 1 / light grey	1	P-02151-50-0-1
														UC 5 / dark bronze	1	P-02151-50-0-5
													6700	EV 1 / light grey	1	P-02151-67-0-1

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
													6700	UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)																
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
													6700	EV 1 / light grey	1	9-39330-67-0-1
														UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)																
–	1	–	2	–	2	–	–	–	2	–	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
													4000	EV 1 / light grey	1	9-39311-40-0-1
													5000	EV 1 / light grey	1	9-39311-50-0-1
													6700	EV 1 / light grey	1	9-39311-67-0-1
														UC 5 / dark bronze	1	9-39311-67-0-5

Hardware requirements – patterns E, L | (continued on page 144)

P 1719 extension profile

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	6700	EV 1 / light grey	1	P-01719-67-0-1

P 1721 tread threshold

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	4600	EV 1 / light grey	1	P-01721-46-0-1

P 1633 attachment track-1 | Centre sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	1500	EV 1 / light grey	1	9-40300-15-0-1
													2000	EV 1 / light grey	1	9-40300-20-0-1
													2500	EV 1 / light grey	1	9-40300-25-0-1
													3350	EV 1 / light grey	1	9-40300-33-0-1
														UC 5 / dark bronze	1	9-40300-33-0-5

P 1634 attachment track | Fixed-glazed sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅓ TFW	1500	EV 1 / light grey	1	9-39309-15-0-1
													2000	EV 1 / light grey	1	9-39309-20-0-1
													2500	EV 1 / light grey	1	9-39309-25-0-1
														UC 5 / dark bronze	1	9-39309-25-0-5
													3350	EV 1 / light grey	1	9-39309-33-0-1
														UC 5 / dark bronze	1	9-39309-33-0-5

P 1641 intermediate profile 41 | Centre sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	1450	EV 1 / light grey	1	9-39317-15-0-1
													1950	EV 1 / light grey	1	9-39317-20-0-1
													2450	EV 1 / light grey	1	9-39317-25-0-1
													3300	EV 1 / light grey	1	9-39317-33-0-1
														black	1	9-39317-33-0-6

P 1682 intermediate profile 45 | Fixed-glazed sash

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅓ TFW	1450	EV 1 / light grey	1	9-40413-15-0-1
													1950	EV 1 / light grey	1	9-40413-20-0-1
													2450	EV 1 / light grey	1	9-40413-25-0-1
													3300	EV 1 / light grey	1	9-40413-33-0-1
														black	1	9-40413-33-0-6

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 242 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm

Hardware requirements – patterns E, L

P 2151 drip rail

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
													4000	EV 1 / light grey	1	P-02151-40-0-1
													5000	EV 1 / light grey	1	P-02151-50-0-1
														UC 5 / dark bronze	1	P-02151-50-0-5
													6700	EV 1 / light grey	1	P-02151-67-0-1

P 1636 roller track 5 (5 mm)

Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39312-67-0-1
														UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)																
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
														UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)																
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
–	–	–	–	1	–	–	–	–	–	–	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	9-39311-40-0-1
													5000	EV 1 / light grey	1	9-39311-50-0-1
													6700	EV 1 / light grey	1	9-39311-67-0-1
														UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern												ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	2	1	1	1	1	68	56	EV 1 / light grey	1	K-17914-01-0-1 [2]
1	1	1	1	1	1	1	2	1	1	1	1	68	68	EV 1 / light grey	1	K-17914-02-0-1 [3]

Contains: 2 x corner connector, 3 x gasket plate

L&S corner connector extension

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	1	–	–	–	–	–	–	1		grey	1	K-18313-01-0-1

Contains: 2 x corner connector

L&S corner connection parts

A	A3	C	D	E	F	G1	G2	G3	H	K	L	Description	Finish	PU	Order no.
1	1	1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

Gaskets – patterns E, L

Gasket plate for meeting stile

Pattern													Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
–	–	–	–	1	–	–	–	–	–	–	2		black	1	9-43970-00-0-6

[1] You can find explanations about the reference dimension on pages 492 – 503.

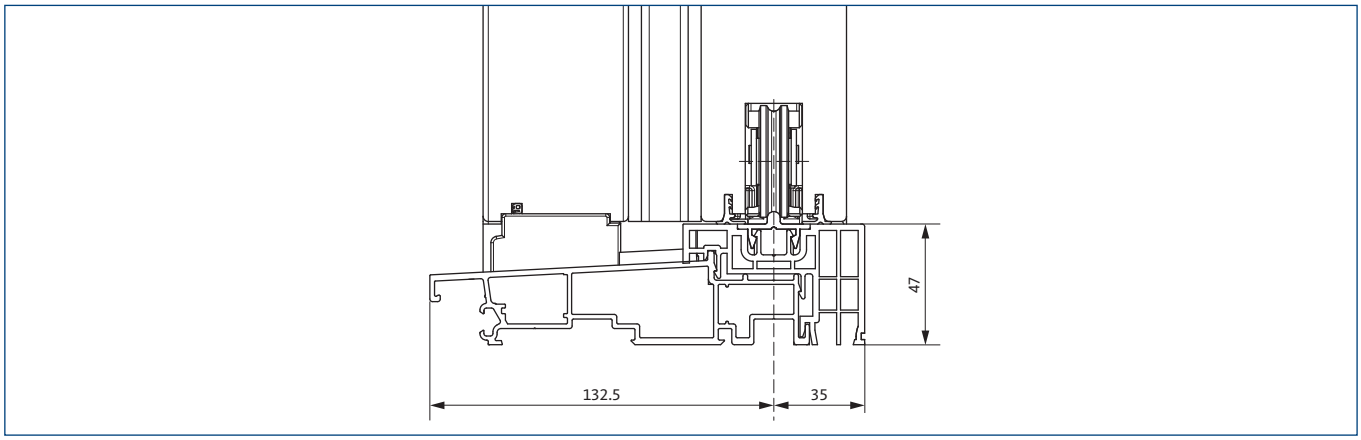
[2] Use drilling jig 6-39795-01-0-0.

[3] Use drilling jig 6-39795-02-0-0.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 242 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-threshold 47 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-threshold 47 base profile

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	1	1	1	1		Length = TFW	5000	EV 1 / light grey	1	6-33848-50-0-1
								6700	EV 1 / light grey	1	6-33848-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern							Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1		–	1	K-17389-00-0-0

Contains: 2 x coupling part, 1 x gasket plate, accessories

Hardware requirements – patterns A, C, G2, K

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	2	–	–	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories											

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	–	–	1	1		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 262 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-threshold 47 threshold

Sash thickness 56 mm, sash distance 28 mm

Hardware requirements – patterns D, F

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	2	–	–		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories											

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
–	–	1	–	–	–		P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	2	2	–	–		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts

Pattern						Description	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

Pattern						Designation	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6

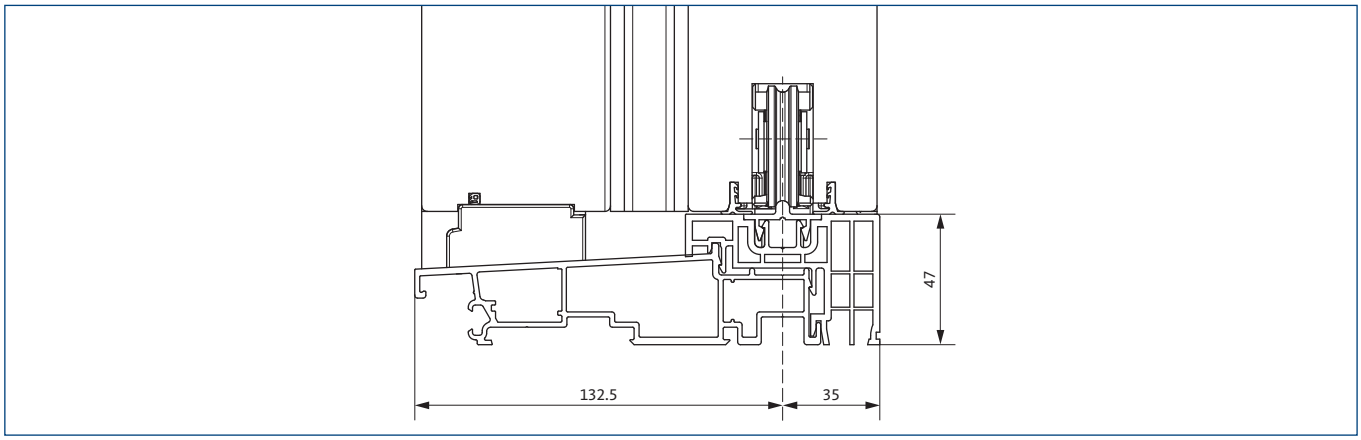
Contains: 2 x gasket part, 2 x supporting plate

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 262 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-threshold 47 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-threshold 47 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-33848-50-0-1
											6700	EV 1 / light grey	1	6-33848-67-0-1

For total frame widths from 6701 mm

L&S coupling part

Pattern											Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1		–	1	K-17389-00-0-0

Contains: 2 x coupling part, 1 x gasket plate, accessories

Hardware requirements – patterns A, C, G1, G2, G3, K

L&S attachment track

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	2	1	–	2	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1

Contains: 1 x attachment track, 1 x intermediate profile, accessories

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 262 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-threshold 47 threshold

Sash thickness 68 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H

L&S attachment track

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	1	–	Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories														

End caps for P 1633 attachment track-2

Pattern										Roller track	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K				on left	on right
–	1	–	1	–	–	–	–	–	–	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
											black	1	9-40295-00-L-6	9-40295-00-R-6
										P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
											black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts

Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

Pattern										Designation	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6

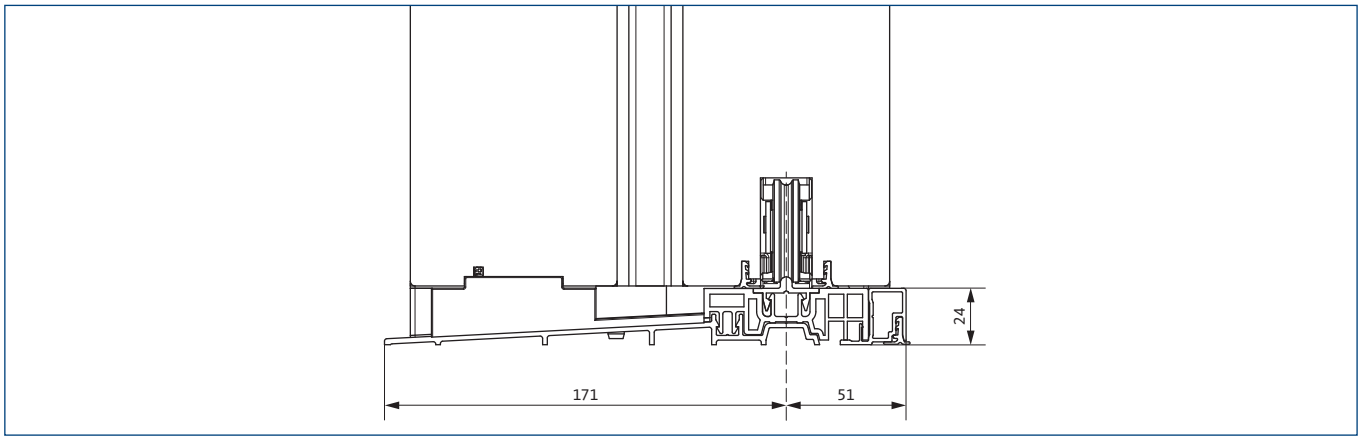
Contains: 2 x gasket part, 2 x supporting plate

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 262 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1
												3300	EV 1 / light grey	1	P-01993-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 88 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1994 attachment track-1 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1
P 1994 attachment track-2 19/81															
–	1	–	1	2	–	–	–	1	–	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

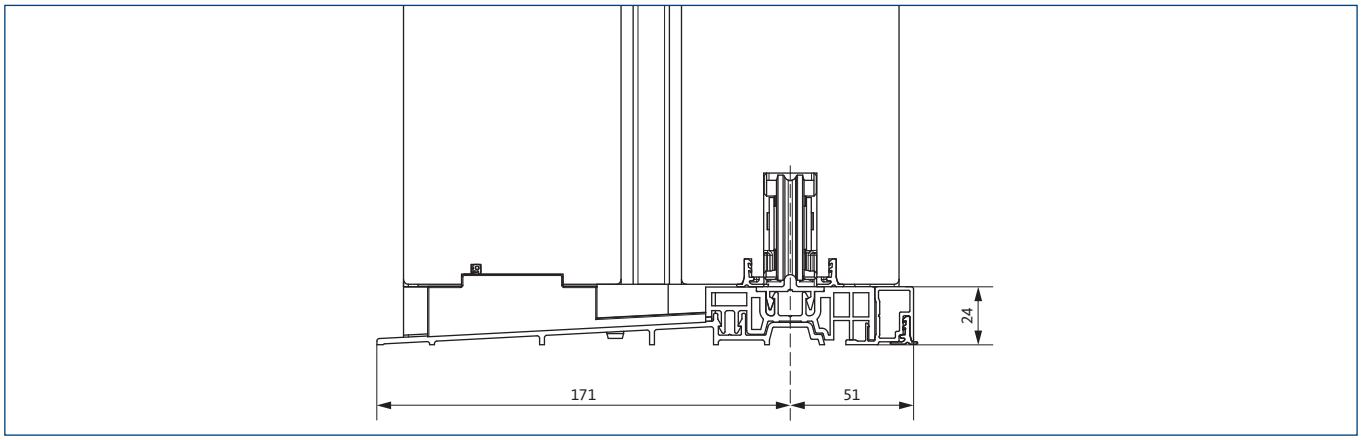
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile													
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1
												3350	EV 1 / light grey	1	P-01991-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 90 mm, sash distance 25 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
P 1992 attachment track-1 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1
P 1992 attachment track-2 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

Attachment tracks for total frame widths from 5001 mm

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
P 1992 attachment track-1 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1
P 1992 attachment track-2 19/80															
–	1	–	1	2	–	–	–	1	0	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	0	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
L&S accessories, threshold – 5 mm roller track													
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
P 1636 roller track 5 (5 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

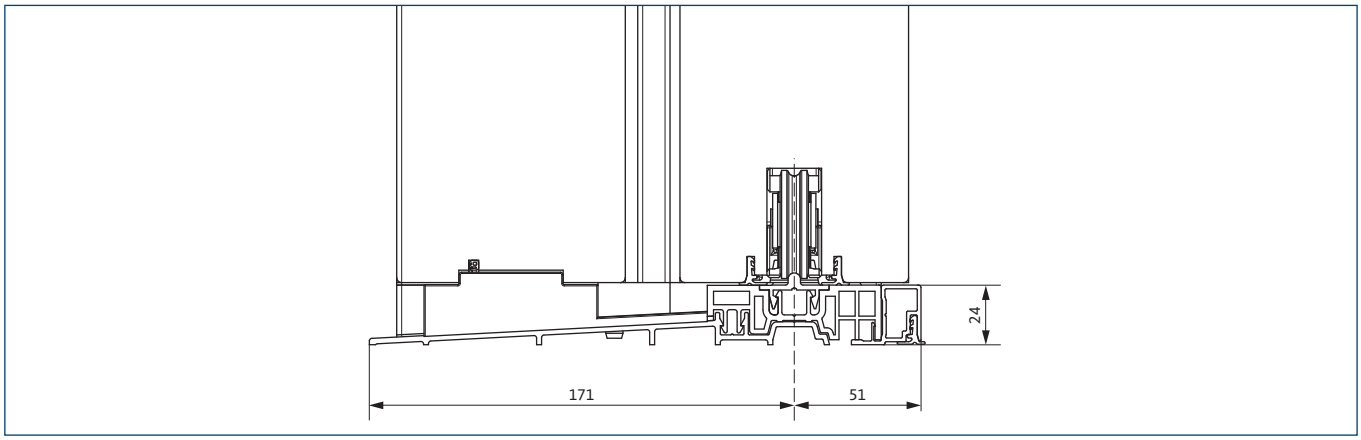
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1
												3350	EV 1 / light grey	1	P-01989-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 222 threshold

Sash thickness 92 mm, sash distance 22 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1990 attachment track-1 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1
P 1990 attachment track-2 19/79															
–	1	–	1	2	–	–	–	1	0	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	0	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts

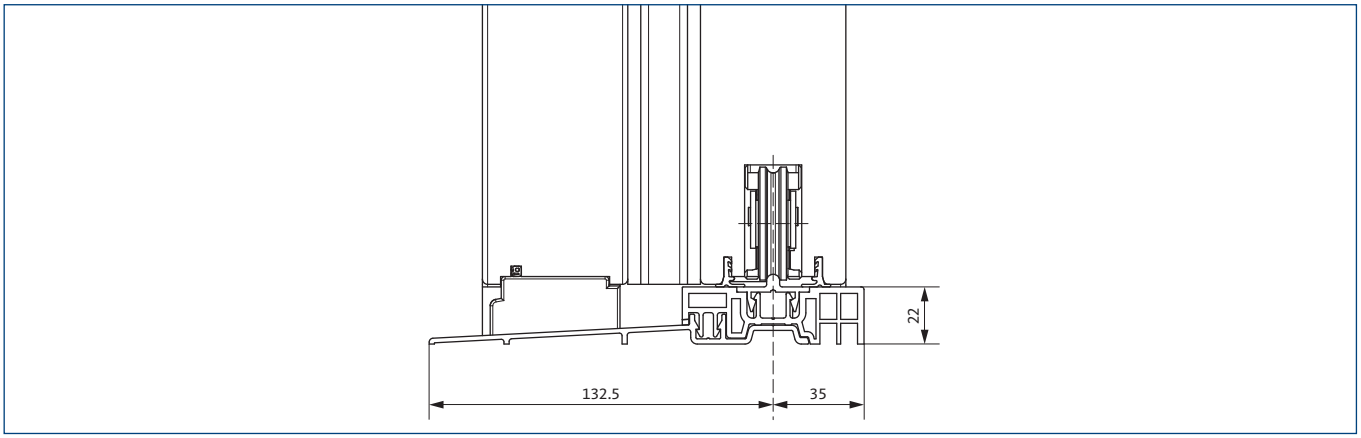
Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws													
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws													

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 273 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 164 base profile

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	1	1	1	1		Length = TFW	6700	EV 1 / light grey	1	6-34948-67-0-1
									UC 5 / dark bronze	1	6-34948-67-0-5

Hardware requirements – patterns A, C, G2, K

L&S attachment track

Pattern							ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K							
1	2	–	–	2	2		56, 68	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	–	–	1	1		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm

Hardware requirements – patterns D, F

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	2	–	–		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories											

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
–	–	1	2	–	–		P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	2	2	–	–		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts

Pattern						Description	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws									
1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws									

L&S gasket parts, frame

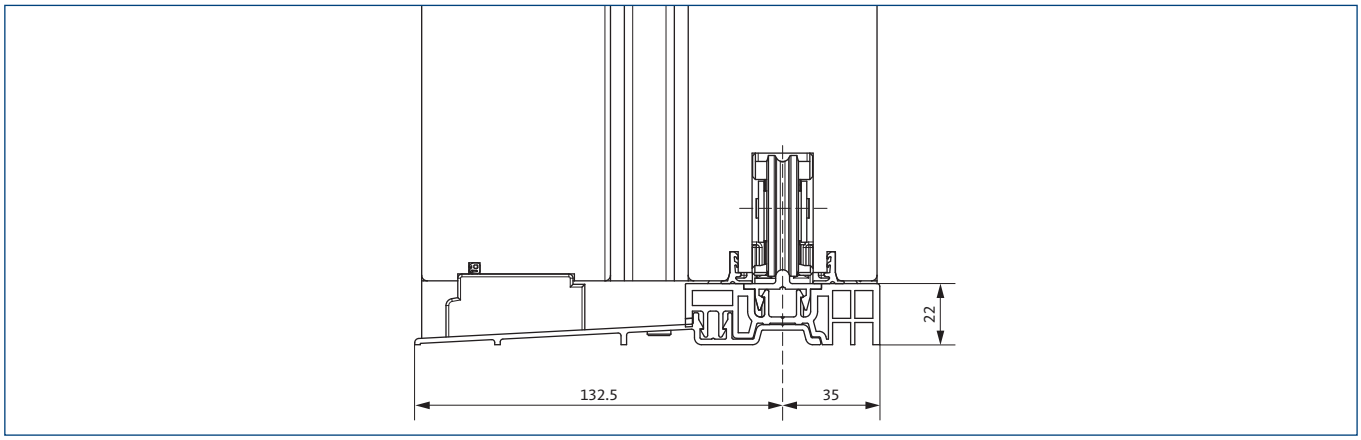
Pattern						Designation	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate									

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 164 base profile

Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	1	1	1	1	1		Length = TFW	6700	EV 1 / light grey	1	6-34948-67-0-1
										UC 5 / dark bronze	1	6-34948-67-0-5

Hardware requirements – patterns A, C, G1, G2, K

L&S attachment track

Pattern								ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K							
1	2	–	–	2	2	2		56, 68	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories													

P 1636 roller track 5 (5 mm)

Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	–	–	1	1	1		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
									6700	EV 1 / light grey	1	9-39312-67-0-1
										UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)												
1	1	–	–	1	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
									6700	EV 1 / light grey	1	9-39330-67-0-1
										UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)												
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
									4000	EV 1 / light grey	1	9-39311-40-0-1
									5000	EV 1 / light grey	1	9-39311-50-0-1
									6700	EV 1 / light grey	1	9-39311-67-0-1
										UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm

Hardware requirements – patterns D, F

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K					
–	–	1	2	–	–	–	Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories											

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G1	G2	K				on left	on right
–	–	1	–	–	–	–	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K					
–	–	2	2	–	–	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts

Pattern							Description	Finish	PU	Order no.
A	C	D	F	G1	G2	K				
1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws										
1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws										

L&S gasket parts, frame

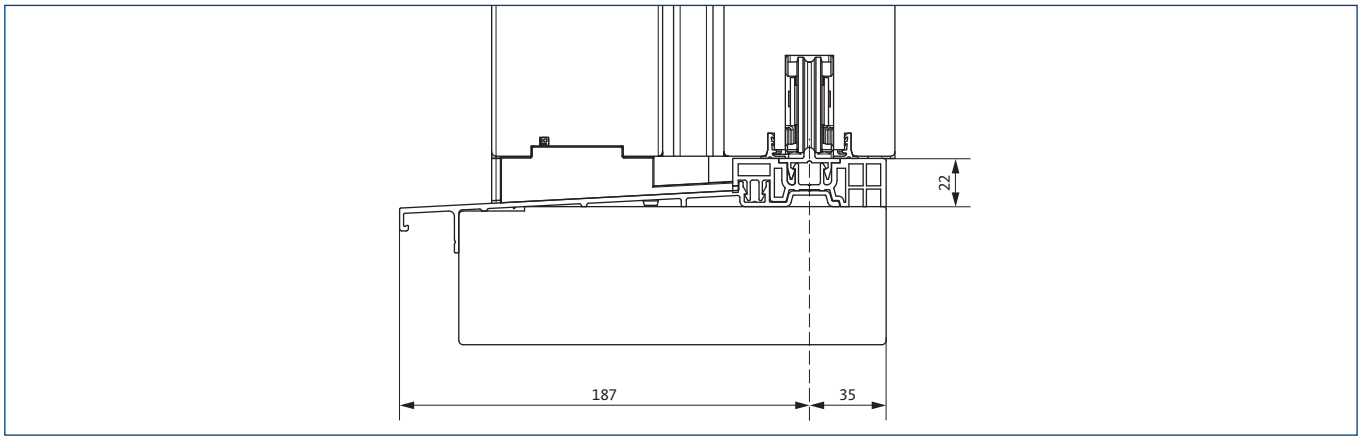
Pattern							Designation	Finish	PU	Order no.
A	C	D	F	G1	G2	K				
1	1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate										

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1987 attachment track 19/71

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	78	Length = SW	2000	EV 1 / light grey	1	P-01987-20-0-1
												2500	EV 1 / light grey	1	P-01987-25-0-1
												3350	EV 1 / light grey	1	P-01987-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	78	–	1	K-18701-00-0-1

Contains: end caps, gasket plates

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 78 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	78	Length = SW	2500	EV 1 / light grey	1	K-18706-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1988 attachment track-1 19/71

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	78	Length = SW	3350	EV 1 / light grey	1	P-01988-33-0-1
P 1988 attachment track-2 19/71															
–	1	–	1	2	–	–	–	1	0	78	Length = SW	3350	EV 1 / light grey	1	9-48285-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	0	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	78	–	1	K-18711-05-0-1
Alternative: L&S accessories, threshold – 10 mm roller track													
–	1	–	1	2	–	–	–	2	–	78	–	1	K-18711-10-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	78	63	grey	1	K-17914-03-0-1
1	1	1	1	1	1	2	1	1	1	78	56	grey	1	K-18493-03-0-1

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts

A	A3	C	D	F	G1	G2	G3	H	K	Description	Finish	PU	Order no.
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

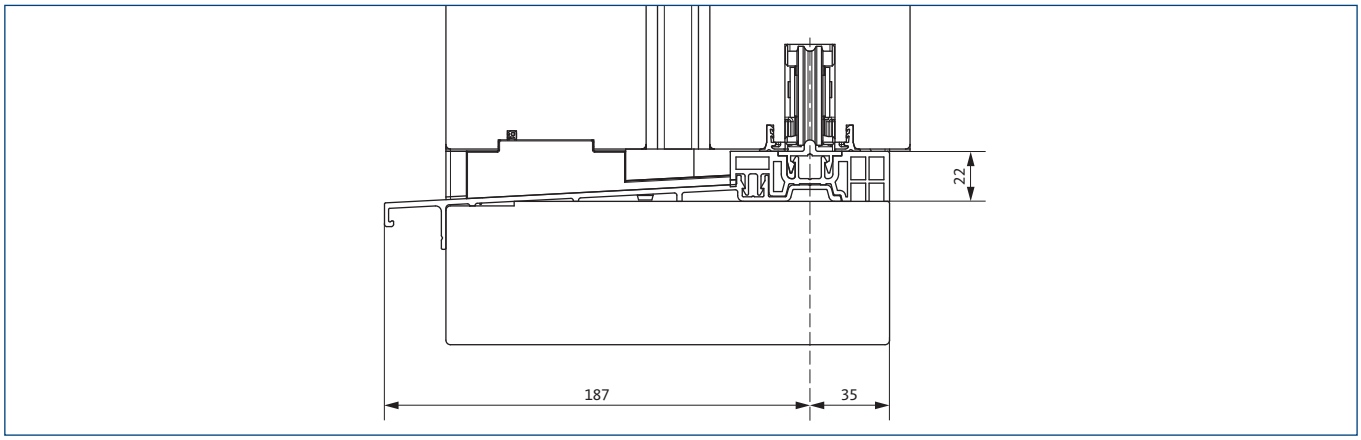
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1
												3300	EV 1 / light grey	1	P-01993-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	1	1	1	1	1	1	1	1	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 88 mm, sash distance 28 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1994 attachment track-1 19/81

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1
P 1994 attachment track-2 19/81															
–	1	–	1	2	–	–	–	1	0	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	0	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts

Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

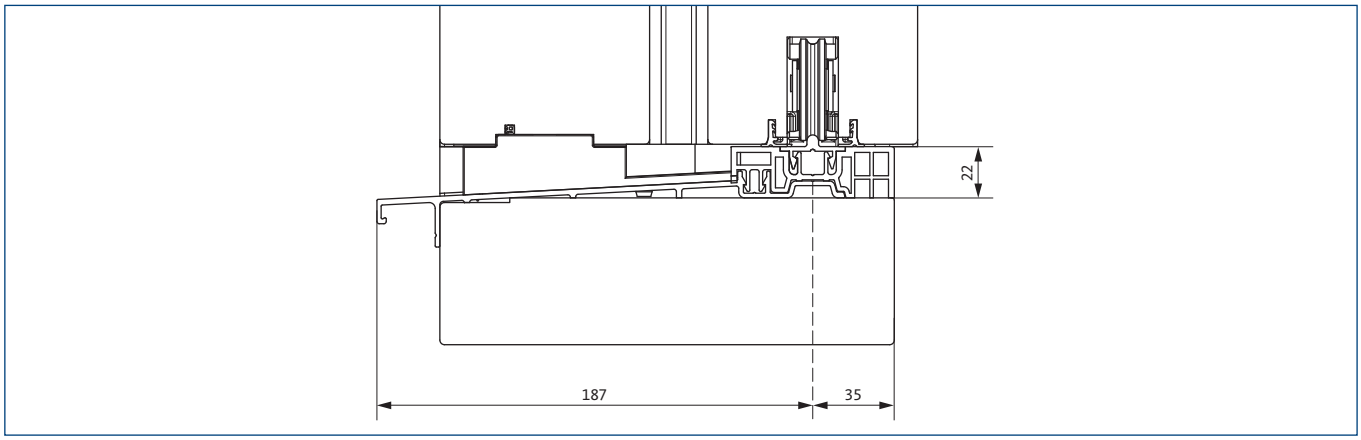
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1
												3350	EV 1 / light grey	1	P-01991-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 90 mm, sash distance 25 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
P 1992 attachment track-1 P 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1
P 1992 attachment track-2 P 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

Attachment tracks for total frame widths from 5001 mm

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
P 1992 attachment track-1 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1
P 1992 attachment track-2 19/80															
–	1	–	1	2	–	–	–	1	–	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
L&S accessories, threshold – 5 mm roller track													
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
P 1636 roller track 5 (5 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts

Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

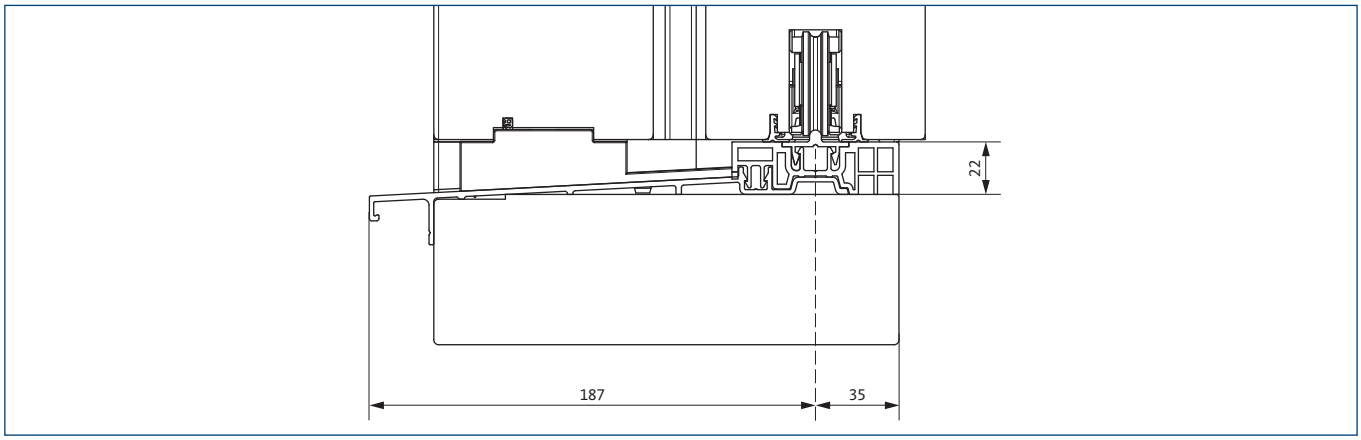
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1
												3350	EV 1 / light grey	1	P-01989-33-0-1

L&S accessories, threshold

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1
Contains: end caps, gasket plates													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	1	–	–	1	1	1	–	1	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	–	1	–	–	1	1	1	–	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 204 threshold

Sash thickness 92 mm, sash distance 22 mm

Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x gasket profile															

Attachment tracks for total frame widths from 5001 mm

P 1990 attachment track-1 19/79

Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	1	2	–	–	–	1	–	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1
P 1990 attachment track-2 19/79															
–	1	–	1	2	–	–	–	1	–	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1
P 1645 gasket															
–	1	–	1	2	–	–	–	1	–	–	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 5 mm roller track

Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 1636 roller track 5 (5 mm)

Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	2	2	–	–	–	2	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
											6700	EV 1 / light grey	1	9-39312-67-0-1
												UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connector

Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts

Pattern										Description	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

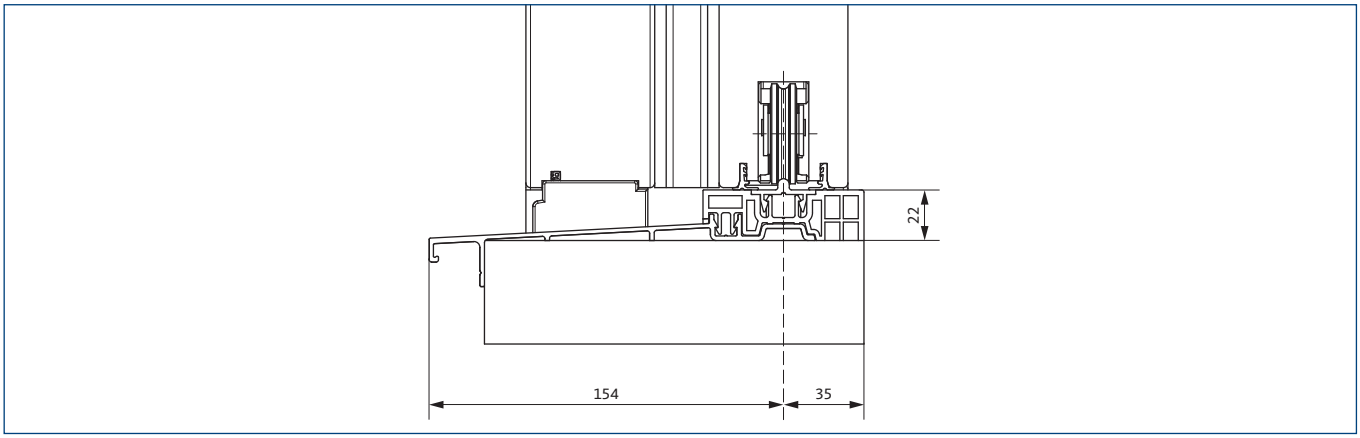
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 289 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 164 base profile

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	1	1	1	1		Length = TFW	5000	EV 1 / light grey	1	6-35030-50-0-1
								6700	EV 1 / light grey	1	6-35030-67-0-1
									UC 5 / dark bronze	1	6-35030-67-0-5

Hardware requirements – patterns A, C, G2, K

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	2	–	–	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories											

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	–	–	1	1		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm

Hardware requirements – patterns D, F

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	2	–	–		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories											

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
–	–	1	–	–	–		P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	2	2	–	–		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm

Corner connection parts – all patterns

L&S corner connection parts

Pattern						Description	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

Pattern						Designation	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6

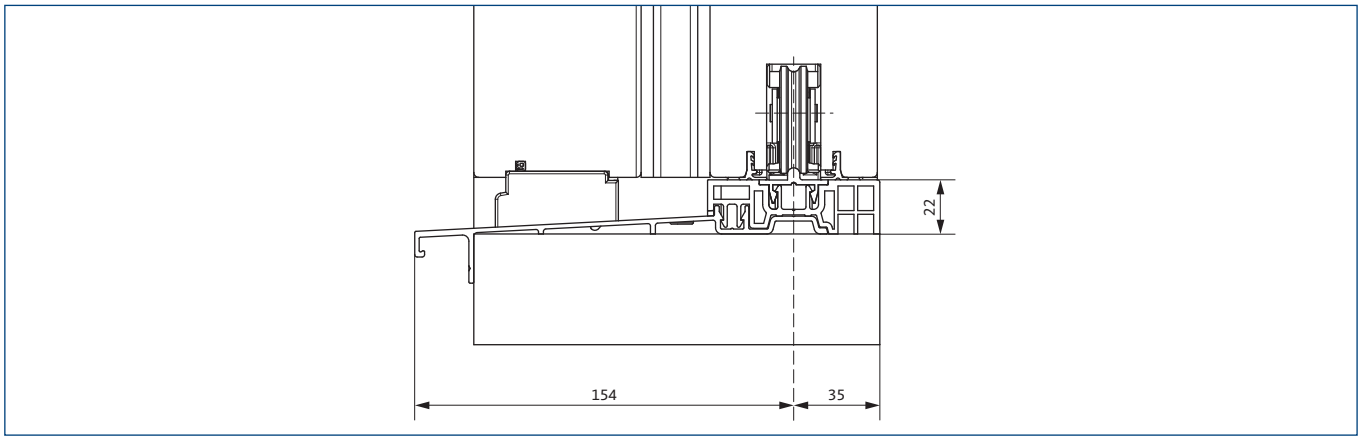
Contains: 2 x gasket part, 2 x supporting plate

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 164 base profile

Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	1	1	1	1	1		Length = TFW	5000	EV 1 / light grey	1	6-35030-50-0-1
									6700	EV 1 / light grey	1	6-35030-67-0-1
										UC 5 / dark bronze	1	6-35030-67-0-5

Hardware requirements – patterns A, C, G1, G2, K

L&S attachment track

Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	2	–	–	2	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

P 1636 roller track 5 (5 mm)

Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	–	–	1	1	1		Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
									6700	EV 1 / light grey	1	9-39312-67-0-1
										UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)												
1	1	–	–	1	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
									6700	EV 1 / light grey	1	9-39330-67-0-1
										UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)												
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
									4000	EV 1 / light grey	1	9-39311-40-0-1
									5000	EV 1 / light grey	1	9-39311-50-0-1
									6700	EV 1 / light grey	1	9-39311-67-0-1
										UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm

Hardware requirements – patterns D, F

L&S attachment track

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K					
–	–	1	2	–	–	–	Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track 1, 1 x attachment track 2, 1 x intermediate profile, accessories											

End caps for P 1633 attachment track-2

Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G1	G2	K				on left	on right
–	–	1	–	–	–	–	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

P 1636 roller track 5 (5 mm)

Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K					
–	–	2	2	–	–	–	Length = TFW	5000	EV 1 / light grey	1	9-39312-50-0-1
								6700	EV 1 / light grey	1	9-39312-67-0-1
									UC 5 / dark bronze	1	9-39312-67-0-5
Alternative: P 1659 roller track 10 (10 mm)											
–	–	2	2	–	–	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
–	–	2	2	–	–	–	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm

Corner connection parts – all patterns

L&S corner connection parts

Pattern						Description	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame

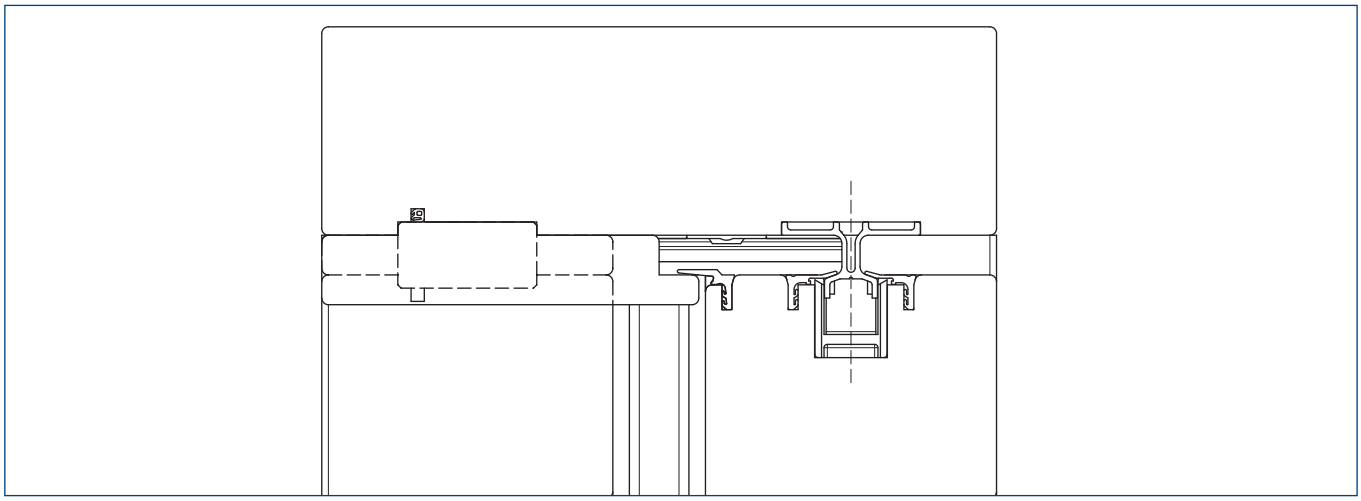
Pattern						Designation	Finish	PU	Order no.
A	C	D	F	G2	K				
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	L&S gasket parts for 67 frame **(alternative)**	black	1	K-17384-67-0-6

Contains: 2 x gasket part, 2 x supporting plate

[1] You can find explanations about the reference dimension on pages 492 – 503.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 316.

P 1786 guide track



L&S guide track P 1786

L&S guide track P 1786

Pattern												Reference dimension	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	2	2	2	1	1	1	2	1	2	Length = TFW	3000	EV 1 / light grey	1	K-17872-30-0-1
														UC 5 / dark bronze	1	K-17872-30-0-5
													3500	EV 1 / light grey	1	K-17872-35-0-1
													4000	EV 1 / light grey	1	K-17872-40-0-1
														UC 5 / dark bronze	1	K-17872-40-0-5
													4500	EV 1 / light grey	1	K-17872-45-0-1
													5000	EV 1 / light grey	1	K-17872-50-0-1
														UC 5 / dark bronze	1	K-17872-50-0-5
													6700	EV 1 / light grey	1	K-17872-67-0-1
														UC 5 / dark bronze	1	K-17872-67-0-5

Contains: 1 x guide track P 1786, gasket profiles

L&S accessories, guide P 1786

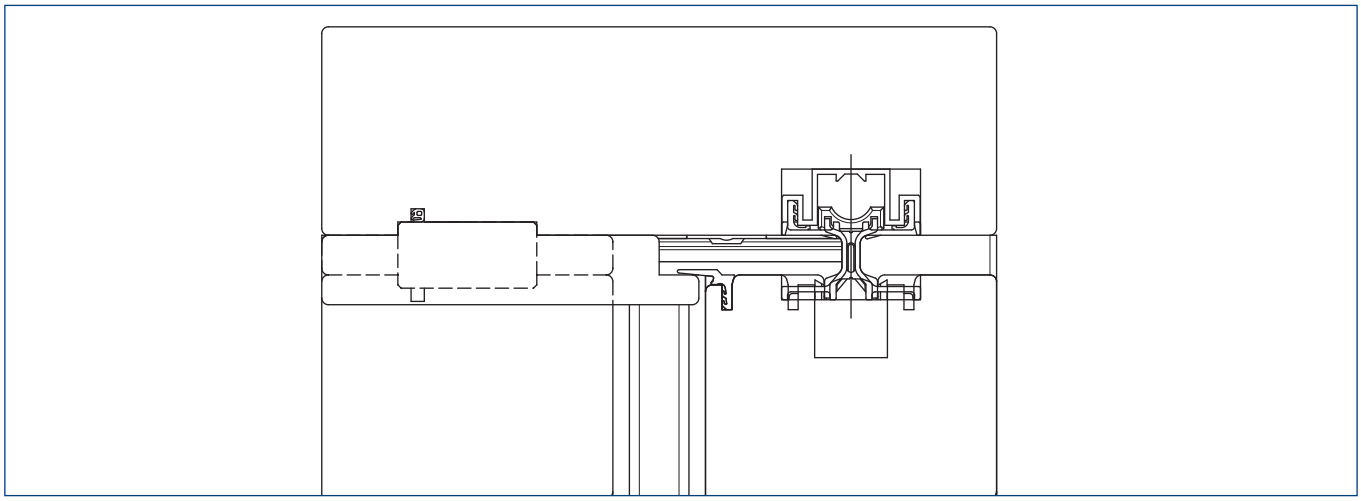
L&S accessories, guide P 1786 – 5 mm roller track														
Pattern												Roller track [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	5	EV 1 / light grey	1	K-17873-05-0-1
													black	1	K-17873-05-0-6
Optional: L&S accessories, guide P 1786 – 10 mm roller track															
1	1	2	2	2	4	1	1	1	2	2	4	10	EV 1 / light grey	1	K-17873-10-0-1
													black	1	K-17873-10-0-6
Optional: L&S accessories, guide P 1786 – 15 mm roller track															
1	1	2	2	2	4	1	1	1	2	2	4	15	EV 1 / light grey	1	K-17873-15-0-1
													black	1	K-17873-15-0-6
Optional: P 1926 cover profile for guide track P 1786															
Pattern												Length [m]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	1	1	1	1	1	1	1	1	1	1	50	EV 1 / light grey	1	P-01926-00-0-1

Bridging gaskets

Bridging gaskets															
Pattern												Designation	SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	1	–	2	1	–	–	1	–	–	Bridging gasket above the meeting stile	22	92, 110	1	6-22154-21-0-6
													25	90	1	6-22154-22-0-6
													28	56, 68, 78, 88	1	6-22154-08-0-6
1	1	2	–	1	–	1	1	1	–	2	2	Bridging gasket, pattern A	22	110	1	6-22154-46-0-6
													22	92	1	6-22154-44-0-6
													25	90	1	
													28	78, 88	1	
													28	56, 68	1	6-22154-35-0-6
–	–	–	2	–	4	–	–	–	2	–	–	Bridging gasket, pattern D	22	110	1	6-22154-47-0-6
													22	92	1	6-22154-45-0-6
													25	90	1	
													28	78, 88	1	
													28	56.68	1	6-22154-46-0-6
–	–	–	–	1	–	–	–	–	–	–	2	Bridging gasket, pattern E	All systems		1	6-22154-36-0-6

You can find all individual parts in Chapter 3.3 "Guide track" from page 310.

P 1850 guide track



L&S guide track P 1850

L&S guide track P 1850

Pattern												Reference dimension	Length [mm]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			Profile	Gasket		
1	1	1	2	2	2	1	1	1	2	1	2	Length = TFW	3000	EV 1	grey	1	K-17997-30-0-1
														EV 1	black	1	K-17997-30-0-6
													3500	EV 1	grey	1	K-17997-35-0-1
														EV 1	black	1	K-17997-35-0-6
													4000	EV 1	grey	1	K-17997-40-0-1
														EV 1	black	1	K-17997-40-0-6
													4500	EV 1	grey	1	K-17997-45-0-1
														EV 1	black	1	K-17997-45-0-6
													5000	EV 1	grey	1	K-17997-50-0-1
														EV 1	black	1	K-17997-50-0-6
													6700	EV 1	grey	1	K-17997-67-0-1
														EV 1	black	1	K-17997-67-0-6

Contains: 1 x guide track P 1850, 1 x guide track P 1849, gasket profiles

L&S accessories, guide P 1850

L&S accessories, guide P 1850 – 5 mm roller track														
Pattern												Roller track [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	2	2	4	5	EV 1 / light grey	1	K-17995-05-0-1
													black	1	K-17995-05-0-6
Optional: L&S accessories, guide P 1850 – 10 mm roller track															
1	1	2	2	2	4	1	1	1	2	2	4	10	EV 1 / light grey	1	K-17995-10-0-1
													black	1	K-17995-10-0-6
Optional: L&S accessories, concealed guide P 1850 – 5 mm roller track															
1	1	–	2	2	2	1	1	1	2	2	2	5	EV 1 / light grey	1	K-19464-00-0-1
													black	1	K-19464-00-0-6
–	–	1	–	–	1	–	–	–	–	–	1		EV 1 / light grey	1	K-19464-10-0-1
													black	1	K-19464-10-0-6

Bridging gaskets

Bridging gaskets															
Pattern												Designation	SD [mm]	ST [mm]	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	1	–	2	1	–	–	1	–	–	Bridging gasket above the meeting stile	22	92, 110	1	6-22154-21-0-6
													25	90	1	6-22154-22-0-6
													28	56, 68, 78, 88	1	6-22154-08-0-6
1	1	2	–	1	–	1	1	1	–	2	2	Bridging gasket, pattern A	22	110	1	6-22154-46-0-6
													22	92	1	6-22154-44-0-6
													25	90	1	
													28	78, 88	1	
													28	56, 68	1	6-22154-35-0-6
–	–	–	2	–	4	–	–	–	2	–	–	Bridging gasket, pattern D	22	110	1	6-22154-47-0-6
													22	92	1	6-22154-45-0-6
													25	90	1	
													28	78, 88	1	
													28	56.68	1	6-22154-46-0-6
–	–	–	–	1	–	–	–	–	–	–	2	Bridging gasket, pattern E	All systems		1	6-22154-36-0-6

You can find all individual parts in Chapter 3.3 "Guide track" from page 312.

3.1 Lift&Slide hardware

L&S bogie GU-934 / GU-937 204
Accessories – L&S bogie GU-934 / GU-937 206
Lift&Slide gears 210
Accessories – Lift&Slide gears 213
Frame cams 216
Bottom keepers 218
Buffer, rubber buffer, L&S damping unit 220
L&S lowering safeguard 222

3.2 Thresholds

GU-thermostep 204 224
GU-thermostep 164 242
GU threshold 47 262
GU-flatstep 222 273
GU-flatstep 164 280
GU-timberstep 204 289
GU-timberstep 164 297
Timber thresholds 308

3.3 Guide tracks

P 1786 310
P 1850 312

3.4 Single-part gaskets and gasket profiles

Gasket profiles 316
Gasket corners 319
Gasket plates 320
Gasket pads 325
Bridging gaskets 326

L&S bogie

GU-934, GU-934 Tandem / GU-937, GU-937 Tandem

L&S bogie with rod Ø 8

Use from a minimum sash width of 700 mm

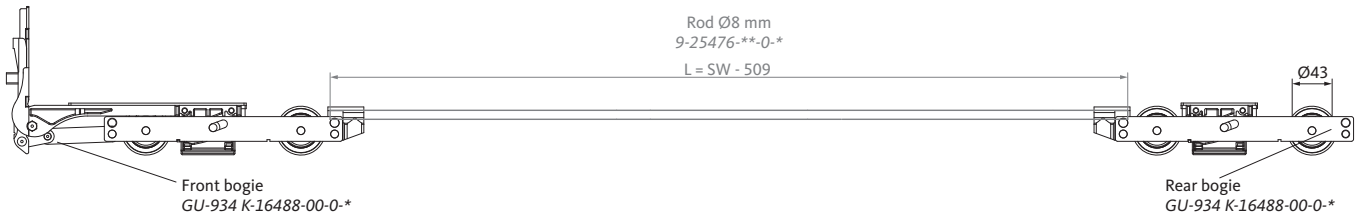


Fig.: L&S bogie GU-934

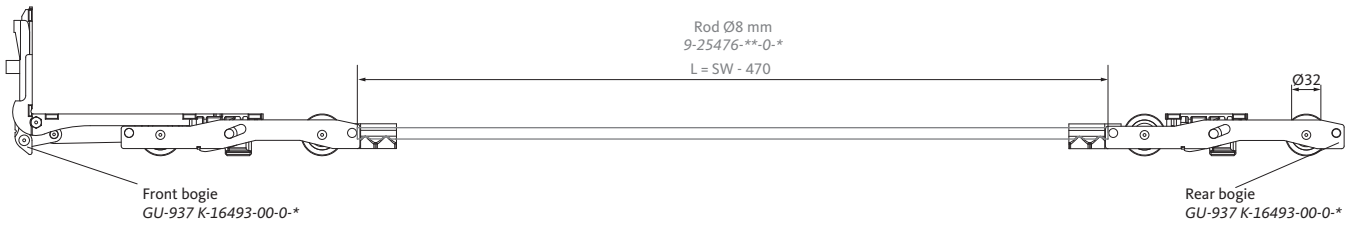


Fig.: L&S bogie GU-937

L&S tandem bogie with rod Ø 8

Use from a minimum sash width of 1210 mm

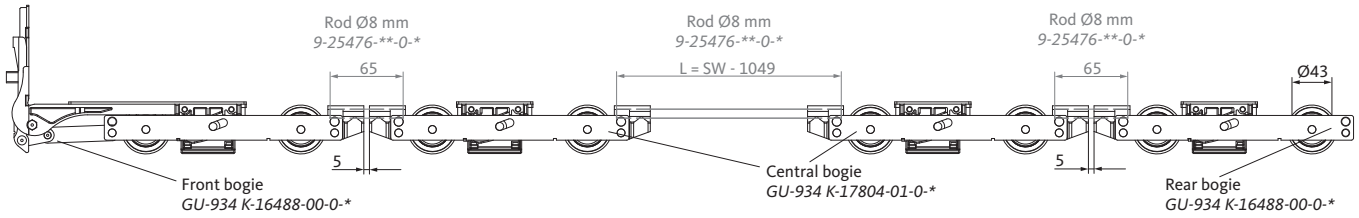


Fig.: L&S bogie GU-934 / L&S tandem bogie GU-934

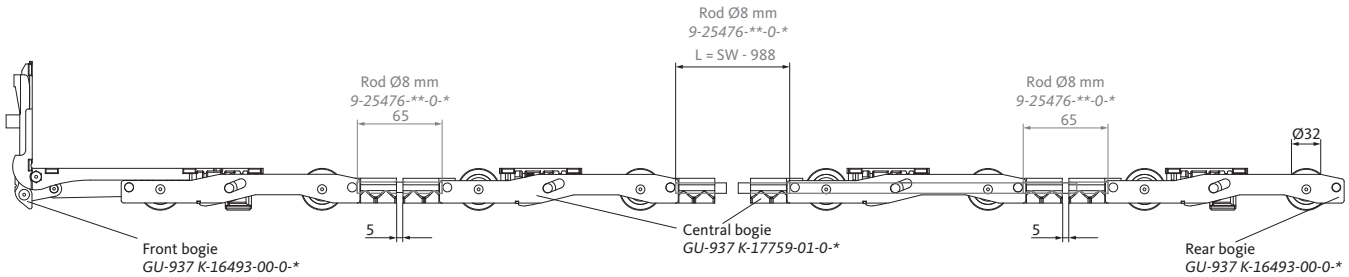


Fig.: L&S bogie GU-937 / L&S tandem bogie GU-937

L&S bogie GU-934 / L&S tandem bogie GU-934

Designation	Application range [kg]	Contents	PU [1]	Order no.	
				ferGUard	faceGUard
L&S bogie GU-934	max. 350	1 x bogie, front 1 x bogie, rear	1	K-16488-00-0-1	K-16488-00-0-18
L&S tandem bogie GU-934 [2]	max. 400	2 x bogies, centre	1	K-17804-01-0-1	K-17804-01-0-18

[1] One PU is required for each sliding sash.
[2] The L&S tandem bogies GU-934 must be used in combination with the corresponding L&S bogies GU-934.

L&S bogie GU-937 / L&S tandem bogie GU-937

Designation	Application range [kg]	Contents	PU [1]	Order no.	
				ferGUard	faceGUard
L&S bogie GU-937	max. 200	1 x bogie, front 1 x bogie, rear	1	K-16493-00-0-1	K-16493-00-0-18
L&S tandem bogie GU-937 [2]	max. 400	2 x bogies, centre	1	K-17759-01-0-1	K-17759-01-0-18

[1] One PU is required for each sliding sash.
[2] The L&S tandem bogies GU-937 must be used in combination with the corresponding L&S bogies GU-937.

Rod

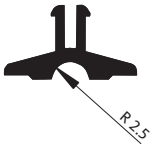
The rods between the bogies are not included in the scope of delivery and must be fabricated separately from the Ø 8 mm rod. For the respective lengths, refer to the adjacent figures.

Rod Ø 8 mm

Designation	Length [mm]	PU	Order no.	
			ferGUard	faceGUard
Rod Ø 8 mm	1100	1	9-25476-11-0-1	9-25476-11-0-18
	1350	1	9-25476-14-0-1	9-25476-14-0-18
	1850	1	9-25476-18-0-1	9-25476-18-0-18
	2800	1	9-25476-28-0-1	9-25476-28-0-18
	3300	1	9-25476-33-0-1	9-25476-33-0-18
	6000	1	9-25476-60-0-1	9-25476-60-0-18

L&S bogie support, adapter VT

for L&S bogie GU-934

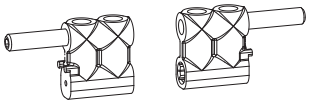


L&S bogie support GU-934

The L&S bogie supports can be used to ensure there is no load whatsoever on the rollers of the bogies when the sliding sash is lowered and its total weight is transmitted to the threshold via the roller track. Recommended for sliding sashes that are used infrequently.

L&S bogie support GU-934
for roller track 'R 2.5'

Designation	PU	Order no.
L&S bogie support GU-934	1	K-17455-03-0-0
Contains: 2 x bogie support R 2.5		

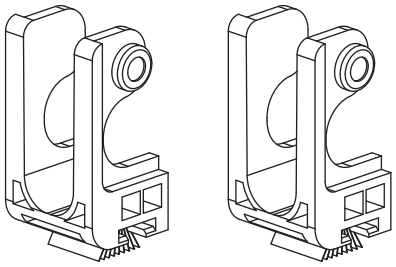


Adapter VT GU-934
for L&S bogie GU-934 with deep rod

Designation	PU	Order no.
Adapter VT GU-934	1	K-19940-00-0-1
Contains: 2 x adapter VT, accessory		

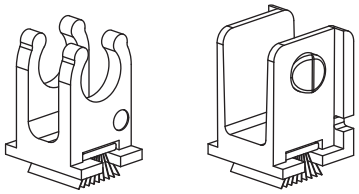
HS CleanUnit

for L&S bogie GU-934 / GU-937



HS CleanUnit GU-934

Designation	PU	Order no.
HS CleanUnit GU-934	1	K-19567-00-0-1
Contains: 2 x cleaning brush		

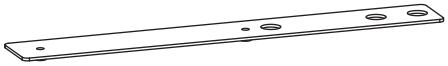


HS CleanUnit GU-937

Designation	PU	Order no.
HS CleanUnit GU-937	1	K-19566-00-0-1
Contains: 2 x cleaning brush		

Horizontal packers

for L&S bogie GU-934 / GU-937



Packer for L&S bogie GU-934, front

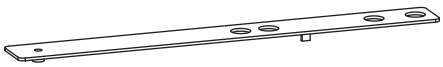
Packer for L&S bogie GU-934, rear

Horizontal packers

for L&S bogie GU-934

Versions/order numbers

Designation	Thickness [mm]	PU	Order no.	
			L&S bogie, front	L&S bogie, rear
Horizontal packers for L&S bogie GU-934	1.0	1	9-41680-01-0-1	9-41681-01-0-1
	1.5	1	9-41680-17-0-1	9-41681-17-0-1
	2.0	1	9-41680-02-0-1	9-41681-02-0-1
	3.0	1	9-41680-20-0-1	9-41681-20-0-1
	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	5.0	1	9-41680-05-0-1	9-41681-05-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1



Packer for L&S bogie GU-937, front

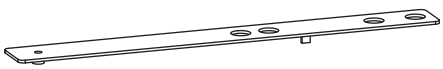
Packer for L&S bogie GU-937, rear

Horizontal packers

for L&S bogie GU-937

Versions/order numbers

Designation	Thickness [mm]	PU	Order no.	
			L&S bogie, front	L&S bogie, rear
Horizontal packers for L&S bogies GU-937	1.0	1	9-41680-11-0-1	9-41681-11-0-1
	1.5	1	9-41680-17-0-1	9-41681-17-0-1
	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1
	8.6	1	9-41680-18-0-1	9-41681-18-0-1



Adapters for horizontal packer L&S bogie, front

Adapters for horizontal packer L&S bogie, rear

Adapters for horizontal packers

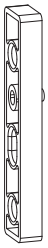
for exchanging GU-934 with GU-937 L&S bogies

Versions/order numbers

Designation	Thickness [mm]	PU	Order no.	
			L&S bogie, front	L&S bogie, rear
Adapters for horizontal packers	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1

Vertical packers

for L&S bogie GU-934 / GU-937



Versions/order numbers

Designation	Height [mm]	PU	Order no. L&S bogie, front
Vertical packers for L&S bogies GU-934 / GU-937	8.5	1	9-43818-02-0-1
	11.0	1	9-43818-04-0-1
	13.0	1	9-47295-01-0-1
	14.0	1	9-47295-02-0-1
	16.0	1	9-47295-04-0-1
	18.5	1	9-47295-06-0-1
	19.0	1	9-47295-07-0-1
	20.0	1	9-47295-08-0-1
	21.0	1	9-47295-09-0-1
	22.0	1	9-47295-10-0-1
	23.0	1	9-47295-11-0-1
	24.5	1	9-47295-12-0-1
	27.0	1	9-47295-13-0-1
	30.0	1	9-47295-16-0-1
	31.0	1	9-47295-17-0-1
	32.0	1	9-47295-18-0-1
	35.0	1	9-47295-20-0-1

Lift&Slide gears

for use with profile cylinders and round cylinders

Lift&Slide gears

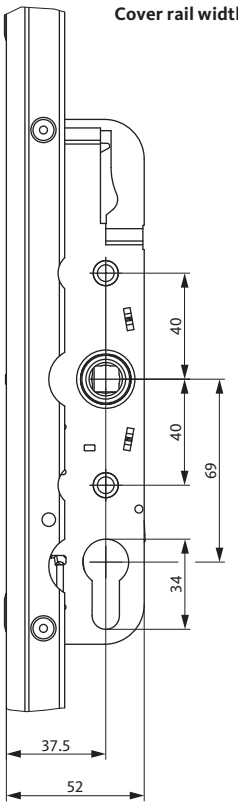
The specifications for the sash height and the handle height are general and may deviate minimally depending on the used roller track and profile system.

The system-related dimensions can be found in the profile system drawings.

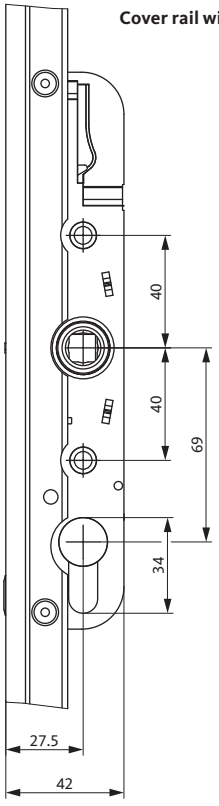
Special size in the case of a non-standard handle height and gear length:

The gear size -98- specified in the following tables is a special size that is fabricated with the handle height at the customer's request. The application range depends on the basic size of the drive-gear that is used for the fabrication (sizes 19 to 44). Please request prices and delivery times in individual cases.

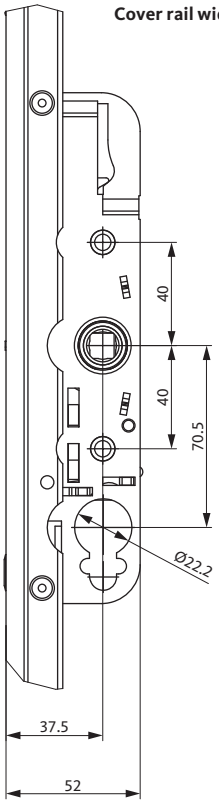
Installation drawing 0-44186



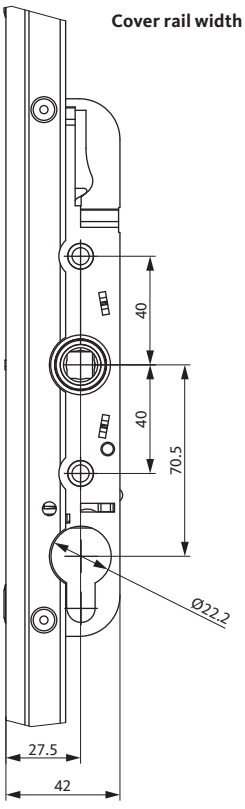
Gear case, 37.5 mm backset lockable, with profile cylinder



Gear case, 27.5 mm backset lockable, with profile cylinder



Gear case, 37.5 mm backset lockable, with round cylinder



Gear case, 27.5 mm backset lockable, with round cylinder

Lift&Slide gear – 37.5 mm backset – lockable, with profile cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard	faceGUard		
Lift&Slide gear 37.5 mm backset lockable, with profile cylinder (PC)	840 – 1260	400	1 + 1 optional	■		■		1	6-30021-11-0-1
					■	■		1	6-30021-11-0-5
	1260 – 1840	400	2	■		■		1	6-30021-19-0-1
					■	■		1	6-30021-19-0-5
	1620 – 2340	1000	2 + 1 optional	■		■		1	6-30021-44-0-1
					■	■		1	6-30021-44-0-5
				■			■	1	6-30021-44-0-18
	1840 – 2340	850	2	■		■		1	6-30021-20-0-1
					■	■		1	6-30021-20-0-5
	1840 – 2340	1000	2 + 1 optional	■		■		1	6-30021-24-0-1
					■	■		1	6-30021-24-0-5
				■			■	1	6-30021-24-0-18
	2340 – 2740	1000	2 + 1 optional	■		■		1	6-30021-28-0-1
					■	■		1	6-30021-28-0-5
				■			■	1	6-30021-28-0-18
	– 2740	min. 400	2 + 1 optional	■		■		1	6-30021-98-0-1

[1] Dimension specifications for use of the 5 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gear – 27.5 mm backset – lockable, with profile cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard	faceGUard		
Lift&Slide gear 27.5 mm backset lockable, with profile cylinder (PC)	840 – 1260	400	1 + 1 optional	■		■		1	6-30019-11-0-1
					■	■		1	6-30019-11-0-5
	1260 – 1840	400	2	■		■		1	6-30019-19-0-1
					■	■		1	6-30019-19-0-5
				■			■	1	6-30019-19-0-18
	1620 – 2340	1000	2 + 1 optional	■		■		1	6-30019-44-0-1
					■	■		1	6-30019-44-0-5
	1840 – 2120	700	2 + 1 optional	■		■		1	6-30019-40-0-1
	1840 – 2340	850	2	■		■		1	6-30019-20-0-1
	1840 – 2340	1000	2 + 1 optional	■		■		1	6-30019-24-0-1
					■	■		1	6-30019-24-0-5
				■			■	1	6-30019-24-0-18
	2340 – 2740	1000	2 + 1 optional	■		■		1	6-30019-28-0-1
					■	■		1	6-30019-28-0-5
				■			■	1	6-30019-28-0-18
	– 2740	min. 400	2 + 1 optional	■		■		1	6-30019-98-0-1

[1] Dimension specifications for use of the 5 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gears

for use with round cylinders – 37.5 mm and 27.5 mm backset

Lift&Slide gear – 37.5 mm backset – lockable, with round cylinder

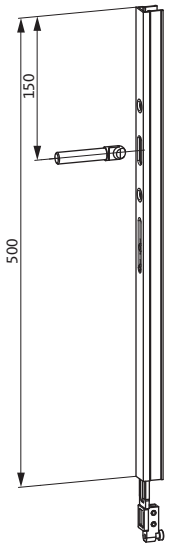
Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish	PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard		
Lift&Slide gear 37.5 mm backset lockable, with round cylinder (Swiss RC)	840 – 1260	400	1 + 1 optional	■		■	1	6-31020-11-0-1
	1260 – 1840	400	2	■		■	1	6-31020-19-0-1
	1620 – 2340	1000	2 + 1 optional	■		■	1	6-31020-44-0-1
	1840 – 2340	1000	2 + 1 optional	■		■	1	6-31020-24-0-1
					■	■	1	6-31020-24-0-5
	2340 – 2740	1000	2 + 1 optional	■		■	1	6-31020-28-0-1

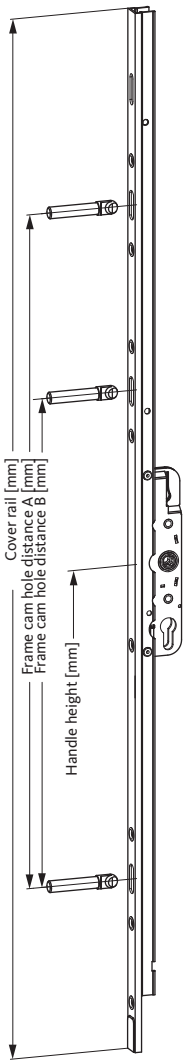
[1] Dimension specifications for use of the 5 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gear – 27.5 mm backset – lockable, with round cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish	Lock case finish	PU	Order no.
				EV 1 anodised	ferGUard		
Lift&Slide gear 27.5 mm backset lockable, with round cylinder (Swiss RC)	840 – 1260	400	1 + 1 optional	■	■	1	6-31021-11-0-1
	1260 – 1840	400	2	■	■	1	6-31021-19-0-1
	1840 – 2340	1000	2 + 1 optional	■	■	1	6-31021-24-0-1
	2340 – 2740	1000	2 + 1 optional	■	■	1	6-31021-28-0-1

[1] Dimension specifications for use of the 5 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.





Depiction: Gear and cover-rail extension set

Gear extensions and cover-rail extensions

The gear and cover-rail extensions have a length of 500 mm and can be attached to any Lift&Slide gear. The extension is cropped to the necessary sash dimension on the Lift&Slide gear.

The gear extension features an additional locking point.

Position of the locking point: 150 mm below the top edge of the cover rail. See depiction "Gear extensions and cover-rail extensions".

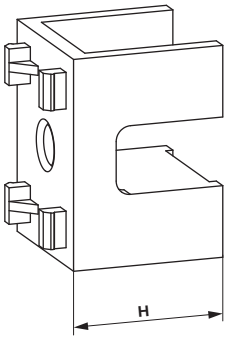
If necessary, the gear extensions can be coupled. Sash heights greater than 3250 mm require a technical test and special approval from Gretsch-Unitas.

Versions/order numbers

Designation	Application range [kg]	Quantity of locks	Finish				PU	Order no.
			Cover rail		Connecting rod			
			EV 1	UC 5	ferGUard	faceGUard		
GU-934 / GU-937 gear extension	max. 400	1	■	–	■	–	1	6-32030-00-0-1
			–	■	■	–	1	6-32030-00-0-5
			■	–	–	■	1	6-32030-00-0-18
GU-934 / GU-937 cover-rail extension	max. 400	–	■	–	–	–	1	9-28483-05-0-1
			–	■	–	–	1	9-28483-05-0-5

Spacers

for Lift&Slide gears



Dimension H = Height in mm

Spacer

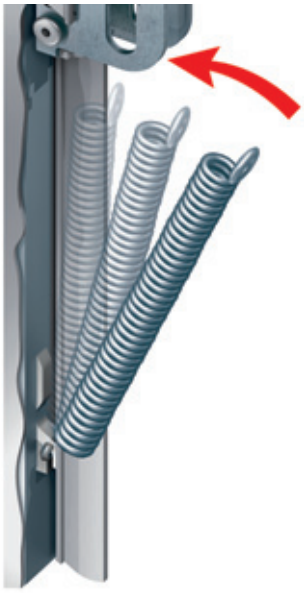
for Lift&Slide gears, backset 37.5 and 27.5 mm

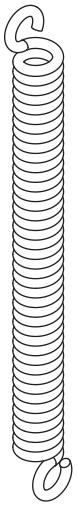
Versions/order numbers

Designation	Height [mm]	PU	Order no.
Spacer for Lift&Slide gears, backset 37.5 and 27.5 mm	6.0	1	9-47296-01-0-1
	8.0	1	9-47296-02-0-1
	11.0	1	9-47296-24-0-1
	13.0	1	9-47296-04-0-1
	14.0	1	9-47296-05-0-1
	16.0	1	9-47296-06-0-1
	18.0	1	9-47296-07-0-1
	19.0	1	9-47296-08-0-1
	20.0	1	9-47296-09-0-1
	21.0	1	9-47296-10-0-1
	22.0	1	9-47296-11-0-1
	23.0	1	9-47296-12-0-1
	24.5	1	9-47296-13-0-1
	25.0	1	9-47296-14-0-1
	27.0	1	9-47296-16-0-1
	29.0	1	9-47296-17-0-1
	30.0	1	9-47296-18-0-1
	31.0	1	9-47296-19-0-1
	32.0	1	9-47296-20-0-1
	34.0	1	9-47296-21-0-1
	35.0	1	9-47296-22-0-1
	40.0	1	9-47296-23-0-1

Tension spring, L&S handle damper

for Lift&Slide gears





Installation drawing 0-46862

Tension spring for Lift&Slide gears

To reduce the operating force of sashes weighing over 200 kg.

Thanks to the use of tension springs in Lift&Slide gears, the operational force at the turn handle is significantly reduced for the user, greatly increasing operating convenience. This makes the Lift&Slide door easy to operate, especially with high sash weights up to 400 kg.

The tension spring can be retrofitted quickly and easily in every standard Lift&Slide gear.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
Tension spring	from 200	1	9-40235-05-0-0

Installation drawing 0-46862

L&S handle damper for Lift&Slide gears

For even safer operation of sashes weighing more than 100 kg.

The L&S handle damper in Lift&Slide gears ensures controlled lowering of the sliding sash and prevents the turn handle from recoiling.

The L&S handle damper can also be retrofitted quickly and easily in every standard gear.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
L&S handle damper	from 100	1	K-19053-00-0-6
Contains: 1 x handle damper, accessory			

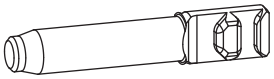
Frame cams

Frame cam 1

For all standard applications, with locking on the door frame

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
Frame cam 1	55	ferGUard	1	9-26072-55-0-1
	62	ferGUard	1	9-26072-62-0-1
	71	ferGUard	1	9-26072-00-0-1
		faceGUard	1	9-26072-00-0-18



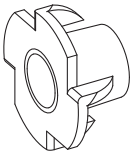
Frame cam 1/S

For an additional night ventilation position, with locking on the door frame

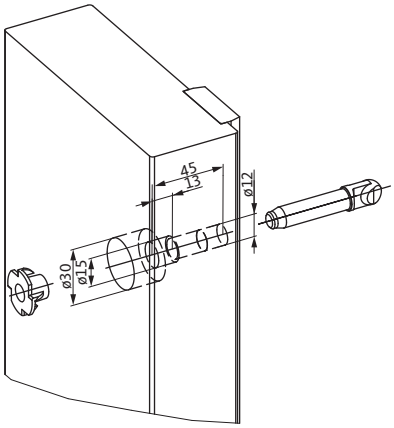
Note: we recommend using in combination with the bottom keepers K-12057-00-0-1 and 9-47330-00-0-8 to provide the sliding sash with an additional locking point on the roller track.

Versions/order numbers

Designation	Length [mm]	PU	Order no.
Frame cam 1/S	73.5	1	9-29228-00-0-1



Installation drawing 0-44188

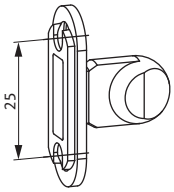


Drive-in nut

Additional securing of the frame cams 1 and 1/S to increase the pull-out resistance

Versions/order numbers

Designation	PU	Order no.
Drive-in nut	1	9-39113-00-R-1

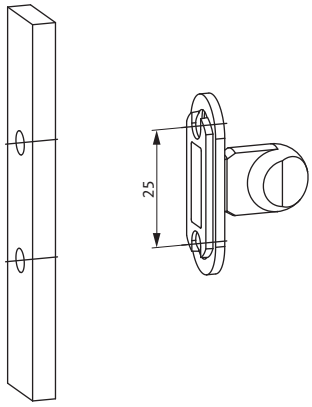


Frame cam 2/14

For locking the active sash to the passive sash, in patterns C, F, L

Versions/order numbers

Designation	Finish	PU	Order no.
Frame cam 2/14 Pattern C	stainless steel	1	9-30332-00-0-8



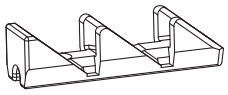
Set of locking cams 2/14 RC2

For locking the active sash to the passive sash, in patterns C, F, L

Versions/order numbers

Designation	Finish	PU	Order no.
Frame cam 2/14 set Pattern C – RC2	ferGUard	1	K-15727-00-0-1
	faceGUard	1	K-15727-00-0-18
Contains: 3 x frame cam, 3 x counter plate, fixing screws			

Bottom keepers

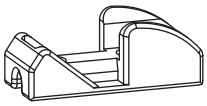


L&S bottom keeper

- For additional securing of the night ventilation position; in combination with the frame cam 1/S
- With 2 bolt positions
- Required with pattern G1 and H

Versions/order numbers

Designation	Finish	PU	Order no.
L&S bottom keeper	ferGUard	1	K-12057-00-0-1
Contains: 1 x bottom keeper, fixing screws			

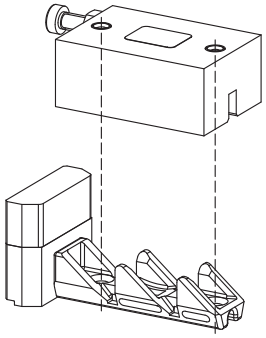


Bottom keeper

- For additional securing of the night ventilation position; in combination with the frame cam 1/S
- Optionally for the locked position of the passive sash in Lift&Slide elements according to patterns C, F, L
- With 1 bolt position

Versions/order numbers

Designation	Material	PU	Order no.
Bottom keeper	stainless steel	1	9-47330-00-0-8

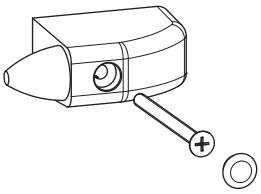


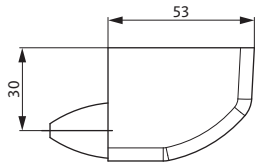
Drilling jig for the installation of the bottom keepers

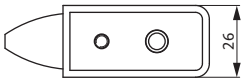
Non-handed

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for the installation of the bottom keepers	hardware installation	1	6-34129-00-0-0







Buffer S

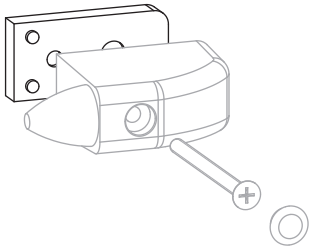
The buffer S is recommended for safe braking of the sliding sash in the opening direction and when using turn handles on both sides. It is positioned so that the sliding sash with the exterior handle cannot collide with the fixed-glazed sash. This prevents damage to the handle and the element. The buffer S brakes the sash in a particularly gentle way.

- Required with patterns D, F, H

Versions/order numbers

Designation	Finish	PU	Order no.
Buffer S	black	1	K-19035-00-0-6
	white	1	K-19035-00-0-7
	cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

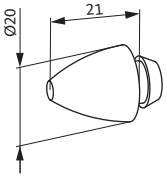


Packers

for buffer S

Versions/order numbers

Designation	Height [mm]	Finish	PU	Order no.
Packers for buffer S	8.0	black	1	9-30294-01-0-6
		white	1	9-30294-01-0-7
		cream white	1	9-30294-01-0-7Z
	4.0	black	1	9-30294-02-0-6
		white	1	9-30294-02-0-7
		cream white	1	9-30294-02-0-7Z



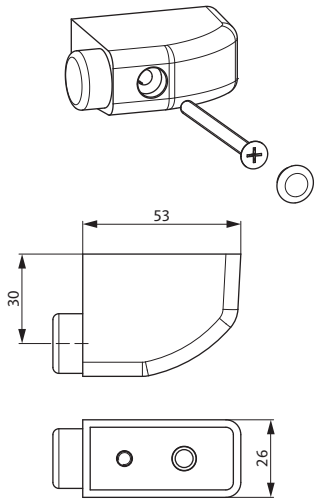
Rubber buffer

for stopping the sash safely at the door frame,
in order to prevent damage to the element and the frame

Versions/order numbers

Designation	Finish	PU	Order no.
Rubber buffer	light grey	1	9-48849-00-0-1
	black	1	9-48849-00-0-6

Buffers



L&S buffer 90

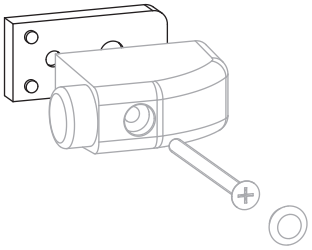
The L&S buffer 90 is recommended for safe braking of the sliding sash in the opening direction and when using turn handles on both sides. It is positioned so that the sliding sash with the exterior handle cannot collide with the fixed-glazed sash. This prevents damage to the handle and the element.

- Required with patterns D, F, H

Versions/order numbers

Designation	Finish	PU	Order no.
L&S buffer 90	black	1	K-12024-00-0-6
	white	1	K-12024-00-0-7
	cream white	1	K-12024-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

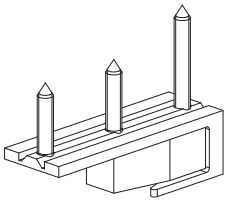


Packers

for L&S buffer 90

Versions/order numbers

Designation	Height [mm]	Finish	PU	Order no.
Packers for L&S buffer 90	8.0	black	1	9-30294-01-0-6
		white	1	9-30294-01-0-7
		cream white	1	9-30294-01-0-7Z
	4.0	black	1	9-30294-02-0-6
		white	1	9-30294-02-0-7
		cream white	1	9-30294-02-0-7Z



L&S damper P 1850

For fully concealed installation in the frame profile of the P 1850 guide track.
With the L&S damper, it is possible to stop the sash in any position.
This is particularly useful in asymmetrically divided elements.

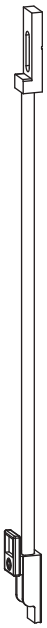
Use with sash weights:

- up to 150 kg with standard bogie
- 151–300 kg with standard bogie/Tandem bogie front
- 301–400 kg with standard bogie/Tandem bogie front and rear

Versions/order numbers

Designation	PU	Order no.
L&S damper P 1850	1	K-19027-00-0-0
Contains: 1 x damping unit, 1 x damping unit housing, fixing screws		

L&S lowering safeguard



Installation drawing 0-44281

L&S lowering safeguard

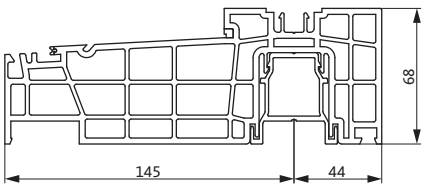
The L&S lowering safeguard is recommended when the sliding sash of the element is very light (under 80 kg) which means that its own weight is not sufficient to lower and lock 100 % reliably and ensure sufficient contact pressure with the horizontal gaskets.

Versions/order numbers

Designation	PU	Order no.
L&S lowering safeguard	1	K-16621-00-0-1
Contains: 1 x slider, 1 x reverser, 1 x pressure part, 1 x rod, 1 x rivet bolt		

GU-thermostep 204 threshold

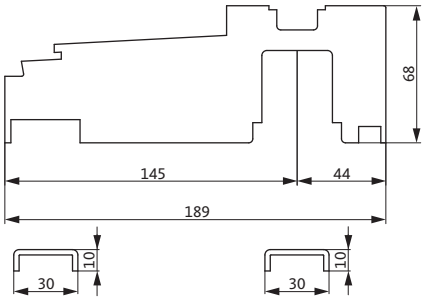
Base profile, coupling part



GU-thermostep 204 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-thermostep 204 base profile	3000	EV 1 / light grey	1	6-36035-30-0-1
	3500	EV 1 / light grey	1	6-36035-35-0-1
	4000	EV 1 / light grey	1	6-36035-40-0-1
	4500	EV 1 / light grey	1	6-36035-45-0-1
	5000	EV 1 / light grey	1	6-36035-50-0-1
	6700	EV 1 / light grey	1	6-36035-67-0-1

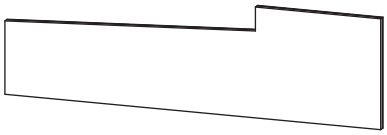


L&S coupling part for GU-thermostep 204

from total frame width 6701 mm

Versions/order numbers

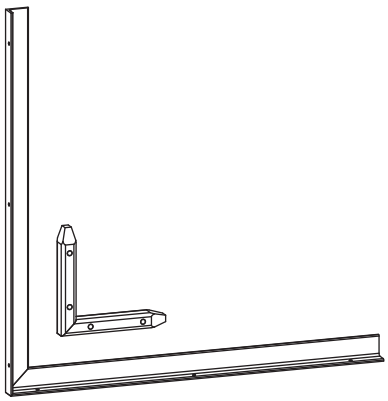
Designation	PU	Order no.
L&S coupling part for GU-thermostep 204	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories		



L&S end cover for GU-thermostep 204

Versions/order numbers

Designation	ST [mm]	Finish	PU	Order no.
L&S end cover for GU-thermostep 204	78	EV 1 / light grey	1	K-18901-48-0-1
	88, 90, 92	EV 1 / light grey	1	K-18901-33-0-1
	110	EV 1 / light grey	1	K-18901-06-0-1
Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)				



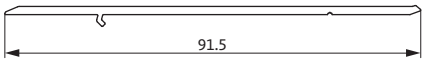
L&S threshold connector 90°
for 90° corner connection of the threshold

Versions/order numbers

Designation	Finish	PU	Order no.
L&S threshold connector 90°	faceGUard	1	K-19998-00-0-18
Contains: 2 x threshold connector, 1 x gasket plate, 40 x window drilling screw			

GU-thermostep 204 threshold

Tread thresholds

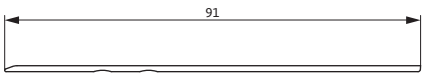


P 1950 tread threshold

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1950 tread threshold	78 to 110	15 [1]	EV 1 / light grey	1	P-01950-01-0-1
		1500	EV 1 / light grey	1	P-01950-15-0-1
		2000	EV 1 / light grey	1	P-01950-20-0-1
		2500	EV 1 / light grey	1	P-01950-25-0-1
		3300	EV 1 / light grey	1	P-01950-33-0-1

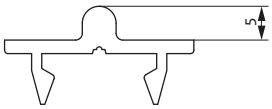
[1] With pattern D



P 1721 tread threshold

Versions/order numbers

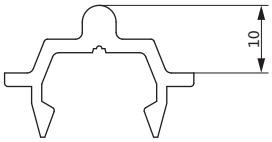
Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1721 tread threshold	E, L	4600	EV 1 / light grey	1	P-01721-46-0-1



P 1636 roller track 5

Versions/order numbers

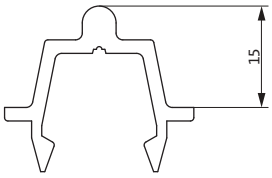
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

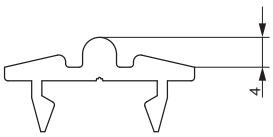
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5



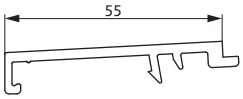
P 2209 roller track bb

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1

GU-thermostep 204 threshold

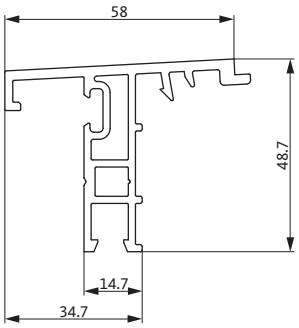
Drip rails



P 2151 drip rail

Versions/order numbers

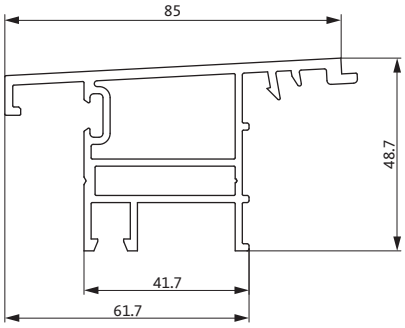
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 2151 drip rail	78	3000	EV 1 / light grey	1	P-02151-30-0-1
		4000	EV 1 / light grey	1	P-02151-40-0-1
		5000	EV 1 / light grey	1	P-02151-50-0-1
			UC 5 / dark bronze		P-02151-50-0-5
		6700	EV 1 / light grey	1	P-02151-67-0-1



P 1927 drip rail 15

Versions/order numbers

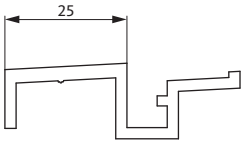
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1927 drip rail 15	88 to 92	3000	EV 1 / light grey	1	9-47293-30-0-1
		3500	EV 1 / light grey	1	9-47293-35-0-1
		4000	EV 1 / light grey	1	9-47293-40-0-1
		4500	EV 1 / light grey	1	9-47293-45-0-1
		5000	EV 1 / light grey	1	9-47293-50-0-1
		6700	EV 1 / light grey	1	9-47293-67-0-1



P 1959 drip rail 42

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1959 drip rail 42	110	3500	EV 1 / light grey	1	9-47709-35-0-1
		5000	EV 1 / light grey	1	9-47709-50-0-1
		6700	EV 1 / light grey	1	9-47709-67-0-1

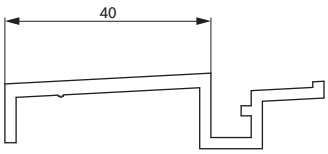


P 1051 extension 25
Length = 25 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1051 extension 25.

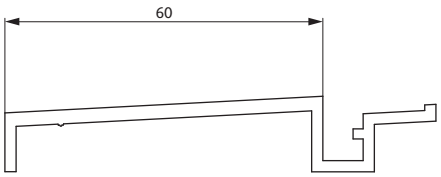


P 1840 extension 40
Length = 40 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1840 extension 40.



P 1918 extension 60
Length = 60 mm

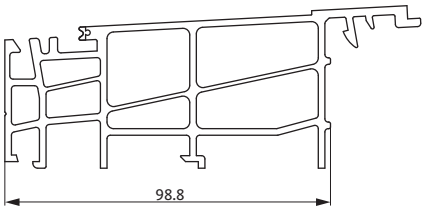
Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
			UC 5 / dark bronze	1	P-01918-67-0-5
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1918 extension 60.

GU-thermostep 204 threshold

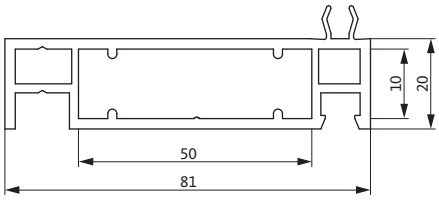
Extension profiles



P 1719 extension profile

Versions/order numbers

Designation	For pattern	Length [mm]	PU	Order no.
P 1719 extension profile	E, L	6700	1	P-01719-67-0-1

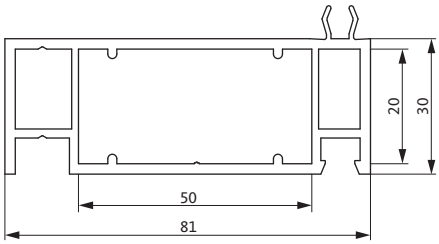


P 1955 extension profile
Installation height = 20 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1955 extension profile [1][2]	6700	EV 1 / light grey	1	P-01955-67-0-1

[1] Order 2 extension profiles per threshold base profile.
[2] Use commercially available steel reinforcement: 50 x 10 mm

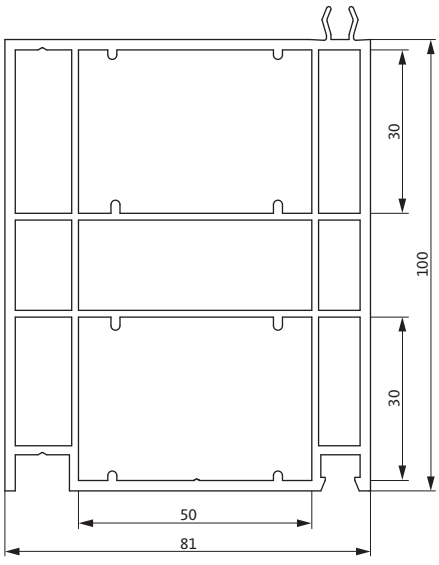


P 1956 extension profile
Installation height = 30 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1956 extension profile [1][2]	6700	EV 1 / light grey	1	P-01956-67-0-1

[1] Order 2 extension profiles per threshold base profile.
[2] Use commercially available steel reinforcement: 50 x 20 mm



P 1957 extension profile
Installation height = 100 mm

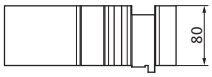
Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1957 extension profile [1][2]	6700	EV 1 / light grey	1	P-01957-67-0-1

[1] Order 2 extension profiles per threshold base profile.
[2] Use commercially available steel reinforcement: 2 pieces 50 x 30 mm

GU-thermostep 204 threshold

Profile extension



Notes: the profile extensions can be coupled endlessly.
Can be cropped to any required dimension.
The width can be cropped to adapt it to the width of the GU-thermostep.

Note on fastening: the profile is fastened by gluing and/or screwing to the threshold (fastening points must be at least every 500 mm).
The following products must be used for fastening:

Glue GU 1K installation adhesive
Screws EJOT coupling screws type VHT-R-4,8xL or type TKR-4,8-L

Profile extension

Versions/order numbers

Designation	Length [mm]	Width [mm]	Height [mm]	PU	Order no.
Profile extension	1760	230	30	1	9-50380-03-0-0
			80	1	9-50380-08-0-0

Technical data

Material characteristics	
Compressive stress according to EN 826 with 10 % compression	806 kPa or 8.2 kg/cm²
Bending strength to EN 12089	0.53 N/mm²
Tensile strength to EN 1607	0.53 N/mm²
Thermal conductivity	0.035 W/K
Fire protection class	B1
Water absorption during sub-water storage according to DIN 53434	0.25 %

Note: for more product information please refer to our order catalogue "Installation material".

GU 1K installation adhesive

Versions/order numbers

Designation	Packaging	Contents	Colour	PU/ Box	Order no.
GU 1K installation adhesive	PE euro cartridge	290 ml	grey	12	H-01175-00-0-0
Designation	**Packaging**	**Contents**	**Colour**	**PU**	**Order no.**
GU 1K installation adhesive	Soft-pack	600 ml	grey	20	H-01175-60-0-0

Wall anchor

Versions/order numbers

Designation	Length [mm]	PU	Order no.
Wall anchor [1]	260	1	9-48408-00-0-1

[1] Per m. of GU-thermostep 204 threshold, order 1 wall anchor.

Structural sealing
Sealing of threshold at bottom horizontal

Versions/order numbers

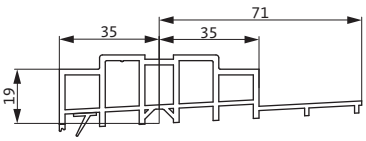
Designation			PU	Order no.
GU installation set for L&S doors			1	H-01525-00-0-0
Contents			**PU**	
GU assembly corners			1 pair	
GU butyl external tape			7.5 m	
Designation			**PU**	**Order no.**
GU assembly corners			10 pairs	H-01526-00-0-0
GU installation butyl external tape, 200 mm			30 m	H-01527-00-0-0
GU installation butyl external tape, 300 mm			50 m	H-01527-30-0-0
Designation	**Length [m]**	**Colour**	**PU**	**Order no.**
Anti-moisture foil	50	black	1	9-39737-25-0-6

Anti-moisture foil without illustration

You can find more information about the subject of structural sealing from page 486 onwards.

GU-thermostep 204 threshold

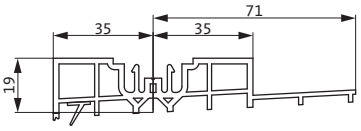
Attachment tracks for sash thickness 78 mm



P 1987 attachment track 19/71 Pattern A

Versions/order numbers

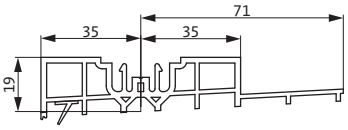
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1987 attachment track 19/71 Pattern A	78	2000	EV 1 / light grey	1	P-01987-20-0-1
		2500	EV 1 / light grey	1	P-01987-25-0-1
		3350	EV 1 / light grey	1	P-01987-33-0-1



P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash

Versions/order numbers

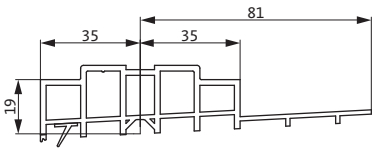
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash	78	2000	EV 1 / light grey	1	P-01988-20-0-1
		2500	EV 1 / light grey	1	P-01988-25-0-1
		3350	EV 1 / light grey	1	P-01988-33-0-1



P 1988 attachment track-2 19/71 Pattern D – passage area

Versions/order numbers

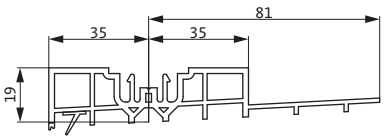
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-2 19/71 Pattern D – passage area	78	2500	EV 1 / light grey	1	9-48285-25-0-1
		3350	EV 1 / light grey	1	9-48285-33-0-1



P 1993 attachment track 19/81 Pattern A

Versions/order numbers

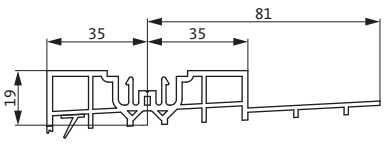
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



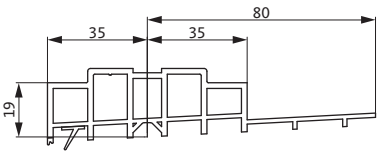
P 1994 attachment track-2 19/81 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1

GU-thermostep 204 threshold

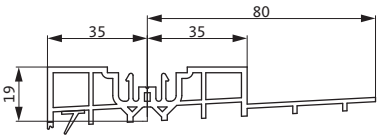
Attachment tracks for sash thickness 90 mm



P 1991 attachment track 19/80
Pattern A

Versions/order numbers

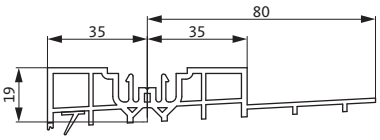
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80
Pattern D – fixed-glazed sash

Versions/order numbers

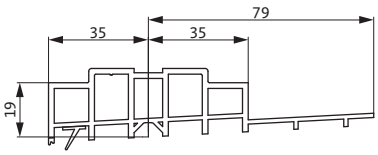
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1



P 1992 attachment track-2 19/80
Pattern D – passage area

Versions/order numbers

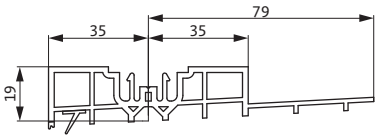
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1



P 1989 attachment track 19/79
Pattern A

Versions/order numbers

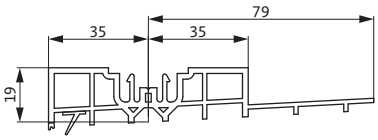
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



P 1990 attachment track-1 19/79
Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



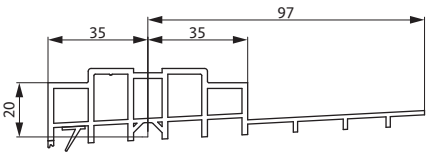
P 1990 attachment track-2 19/79
Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1

GU-thermostep 204 threshold

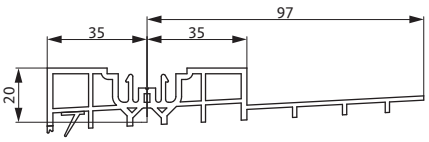
Attachment tracks for sash thickness 110 mm



P 1995 attachment track 20/97 Pattern A

Versions/order numbers

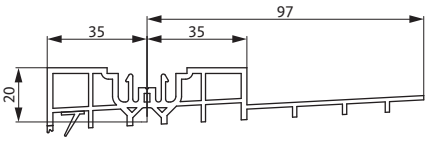
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1995 attachment track 20/97 Pattern A	110	2500	EV 1 / light grey	1	P-01995-25-0-1
		3350	EV 1 / light grey	1	P-01995-33-0-1



P 1996 attachment track-1 20/97 Pattern D – fixed-glazed sash

Versions/order numbers

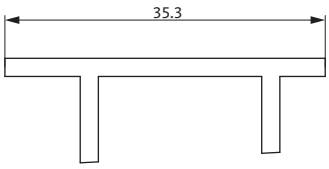
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1996 attachment track-1 20/97 Pattern D – fixed-glazed sash	110	2000	EV 1 / light grey	1	P-01996-20-0-1
		2500	EV 1 / light grey	1	P-01996-25-0-1
		3350	EV 1 / light grey	1	P-01996-33-0-1



P 1996 attachment track-2 20/97 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1996 attachment track-2 20/97 Pattern D – passage area	110	2000	EV 1 / light grey	1	9-48290-20-0-1
		2500	EV 1 / light grey	1	9-48290-25-0-1
		3350	EV 1 / light grey	1	9-48290-33-0-1

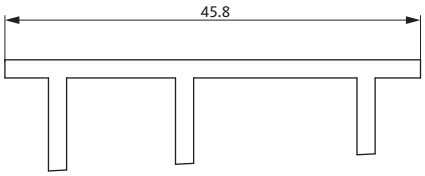


P 2124 intermediate profile 35

- Patterns E and L

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 2124 intermediate profile 35	6000	EV 1 / light grey	1	P-02124-60-0-1

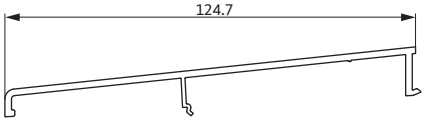


P 2169 intermediate profile 46

- Pattern G2

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 2169 intermediate profile 46	3500	EV 1 / light grey	1	P-02169-35-0-1



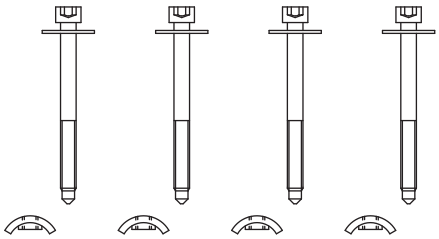
P 1951 Comfort profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1951 Comfort profile	3300	EV 1 / light grey	1	P-01951-33-0-1

GU-thermostep 204 threshold

Corner connection parts

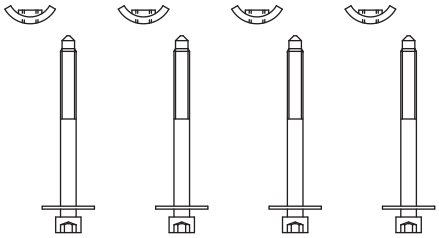


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

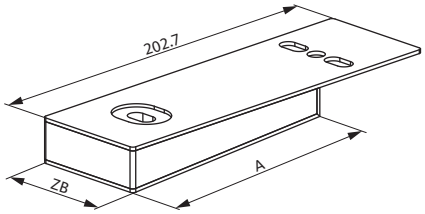


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

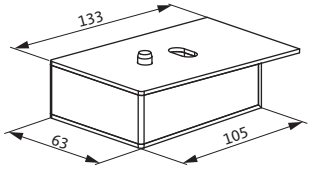
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connector

Versions/order numbers

Designation	FW [mm]	ST [mm]	Dimension A [mm]	PU	Order no.
L&S corner connector	63	78	110	1	K-17914-03-0-1
		88, 90, 92	125	1	K-17914-01-0-1
		110	152	1	K-17914-05-0-1
	56	78	110	1	K-18493-03-0-1
		88, 90, 92	125	1	K-18493-01-0-1
		110	152	1	K-18493-05-0-1
Contains: 2 x corner connector, 2 x gasket plate					



L&S corner connector extension

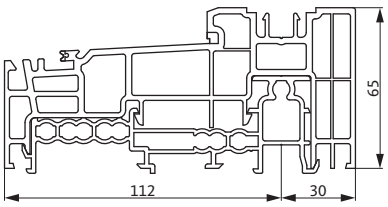
- Patterns E and L

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector extension	63	78	1	K-18313-02-0-1
Contains: 2 x corner connector				

GU-thermostep 164 threshold

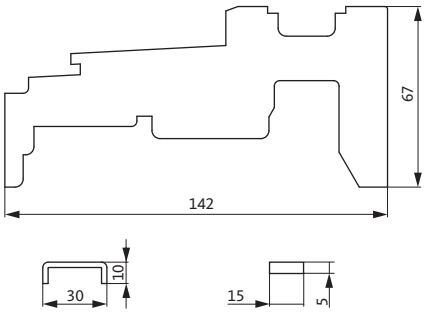
Base profile, coupling part



GU-thermostep 164 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-thermostep 164 base profile	3000	EV 1 / light grey	1	6-29938-30-0-1
	3500	EV 1 / light grey	1	6-29938-35-0-1
	4000	EV 1 / light grey	1	6-29938-40-0-1
	4500	EV 1 / light grey	1	6-29938-45-0-1
	5000	EV 1 / light grey	1	6-29938-50-0-1
	6700	EV 1 / light grey	1	6-29938-67-0-1
		UC 5 / dark bronze	1	6-29938-67-0-5

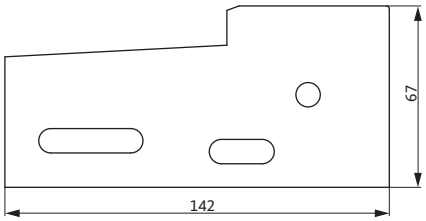


L&S coupling part for GU-thermostep 164

from total frame width 6701 mm

Versions/order numbers

Designation	PU	Order no.
L&S coupling part for GU-thermostep 164	1	K-15432-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories		

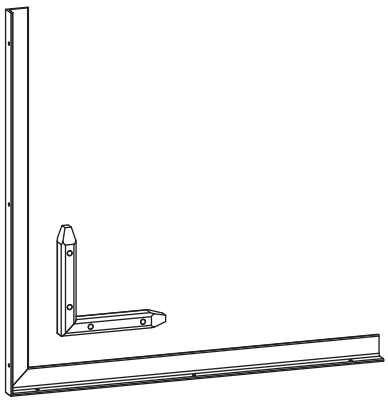


Installation drawing 0-44204

Gasket plate
for sealing the butt joint

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate	black	1	9-40034-00-0-6



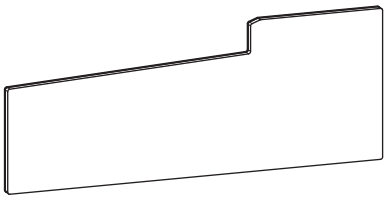
L&S threshold connector 90°
for 90° corner connection of the threshold

Versions/order numbers

Designation	Finish	PU	Order no.
L&S threshold connector 90°	faceGUard	1	K-18075-00-0-18
Contains: 2 x threshold connector, fixing screws			

GU-thermostep 164 threshold

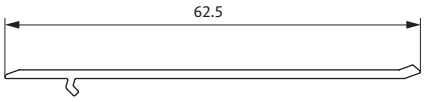
End cover



L&S end cover for GU-thermostep 164

Versions/order numbers

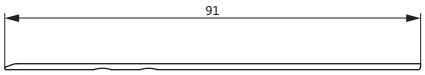
Designation	Finish	PU	Order no.
L&S end cover for GU-thermostep with P 1842 drip rail 160	EV 1 / light grey	1	K-19145-01-0-1
L&S end cover for GU-thermostep with P 1837 drip rail 179	EV 1 / light grey	1	K-19145-02-0-1
L&S end cover for GU-thermostep 164 Base profile	EV 1 / light grey	1	K-19145-03-0-1
Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)			



P 1642 tread threshold

Versions/order numbers

Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1642 tread threshold	A, C, G1, G2, K	2000	EV 1 / light grey	1	9-39318-20-0-1
		2500	EV 1 / light grey	1	9-39318-25-0-1
			UC 5 / dark bronze	1	9-39318-25-0-5
		3350	EV 1 / light grey	1	9-39318-33-0-1
			UC 5 / dark bronze	1	9-39318-33-0-5



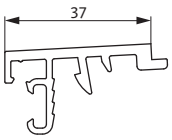
P 1721 tread threshold

Versions/order numbers

Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1721 tread threshold	E, L	4600	EV 1 / light grey	1	P-01721-46-0-1

GU-thermostep 164 threshold

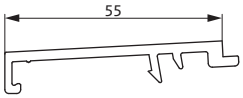
Drip rails



P 1640 drip rail 126 – sash distance 10 mm

Versions/order numbers

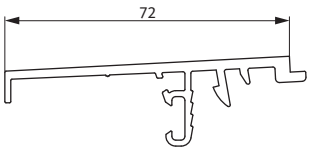
Designation	Length [mm]	Finish	PU	Order no.
P 1640 drip rail 126	3500	EV 1 / light grey	1	9-39616-35-0-1
	5000	EV 1 / light grey	1	9-39616-50-0-1
		UC 5 / dark bronze	1	9-39616-50-0-5
	6700	EV 1 / light grey	1	9-39616-67-0-1



P 2151 drip rail – sash distance 28 mm

Versions/order numbers

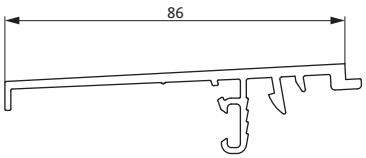
Designation	Length [mm]	Finish	PU	Order no.
P 2151 drip rail	3000	EV 1 / light grey	1	P-02151-30-0-1
	4000	EV 1 / light grey	1	P-02151-40-0-1
	5000	EV 1 / light grey	1	P-02151-50-0-1
		UC 5 / dark bronze	1	P-02151-50-0-5
	6700	EV 1 / light grey	1	P-02151-67-0-1



P 1667 drip rail 161

Versions/order numbers

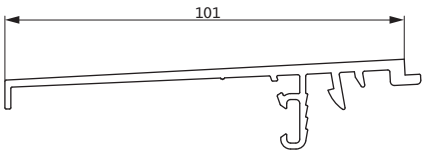
Designation	Length [mm]	Finish	PU	Order no.
P 1667 drip rail 161	5000	EV 1 / light grey	1	9-40182-50-0-1
		UC 5 / dark bronze	1	9-40182-50-0-5
	6700	EV 1 / light grey	1	9-40182-67-0-1



P 1676 drip rail 175

Versions/order numbers

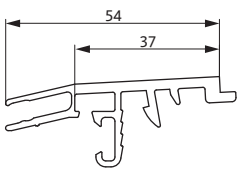
Designation	Length [mm]	Finish	PU	Order no.
P 1676 drip rail 175	3500	EV 1 / light grey	1	9-40381-35-0-1
	5000	EV 1 / light grey	1	9-40381-50-0-1
	6700	EV 1 / light grey	1	9-40381-67-0-1
		UC 5 / dark bronze	1	9-40381-67-0-5



P 1716 drip rail 190

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1716 drip rail 190	6700	EV 1 / light grey	1	P-01716-67-0-1
		UC 5 / dark bronze	1	P-01716-67-0-5



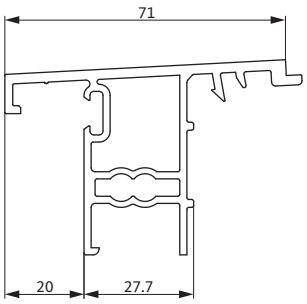
P 1651 drip rail with coupling

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1651 drip rail with coupling	6700	EV 1 / light grey	1	9-39617-67-0-1

GU-thermostep 164 threshold

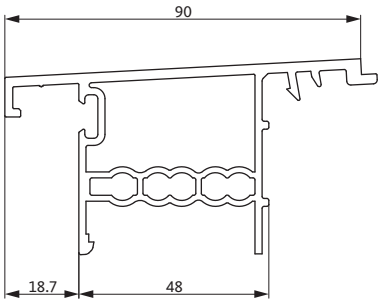
Drip rails



P 1842 drip rail 160

Versions/order numbers

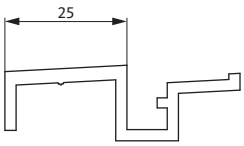
Designation	Length [mm]	Finish	PU	Order no.
P 1842 drip rail 160	3000	EV 1 / light grey	1	9-45720-30-0-1
	4000	EV 1 / light grey	1	9-45720-40-0-1
	5000	EV 1 / light grey	1	9-45720-50-0-1
	6700	EV 1 / light grey	1	9-45720-67-0-1



P 1837 drip rail 179

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1837 drip rail 179	3000	EV 1 / light grey	1	9-45646-30-0-1
	4000	EV 1 / light grey	1	9-45646-40-0-1
	5000	EV 1 / light grey	1	9-45646-50-0-1
		UC 5 / dark bronze	1	9-45646-50-0-5
	6700	EV 1 / light grey	1	9-45646-67-0-1

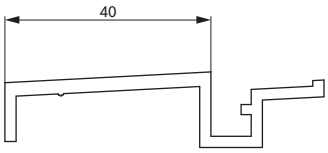


P 1051 extension 25
Length = 25 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1051 extension 25.

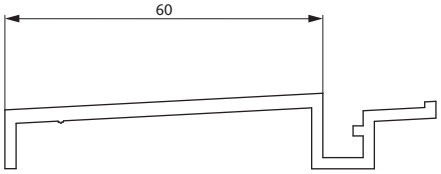


P 1840 extension 40
Length = 40 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1840 extension 40.



P 1918 extension 60
Length = 60 mm

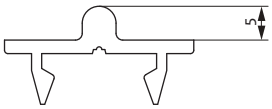
Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
			UC 5 / dark bronze	1	P-01918-67-0-5
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1918 extension 60.

GU-thermostep 164 threshold

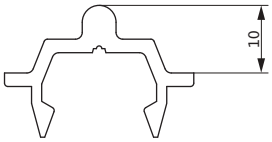
Roller tracks



P 1636 roller track 5

Versions/order numbers

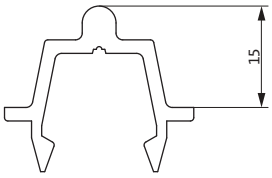
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

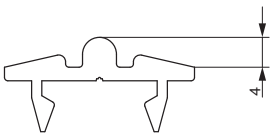
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers

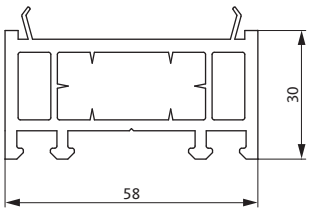
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

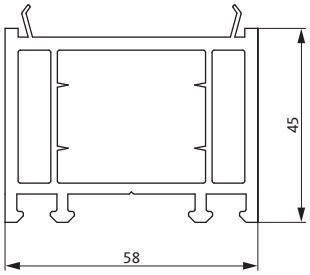


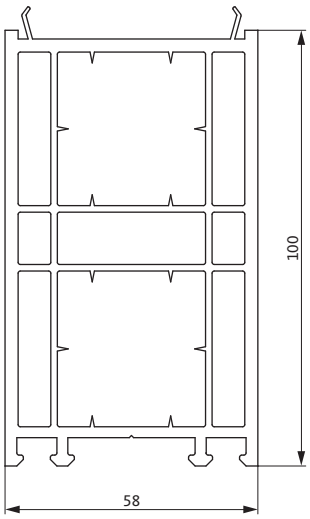
P 2209 roller track bb

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



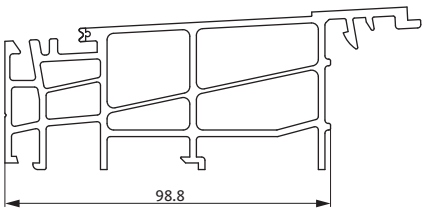




HVA extension profile

Versions/order numbers

Designation	Width [mm]	Finish	PU [m]	Order no.
HVA extension profile	30	white	26	H-00474-00-0-7
	45	white	26	H-00474-01-0-7
	100	white	13	H-00474-02-0-7



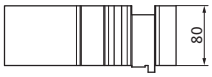
P 1719 extension profile

Versions/order numbers

Designation	For pattern	Length [mm]	PU	Order no.
P 1719 extension profile	E, L	6700	1	P-01719-67-0-1

GU-thermostep 164 threshold

Profile extension



Notes: the profile extensions can be coupled endlessly.
Can be cropped to any required dimension.
The width can be cropped to adapt it to the width of the GU-thermostep.

Note on fastening: the profile is fastened by gluing and/or screwing to the threshold (fastening points must be at least every 500 mm).
The following products must be used for fastening:

Glue GU 1K installation adhesive
Screws EJOT coupling screws type VHT-R-4,8xL or type TKR-4,8-L

Profile extension

Versions/order numbers

Designation	Length [mm]	Width [mm]	Height [mm]	PU	Order no.
Profile extension	1760	230	30	1	9-50380-03-0-0
			80	1	9-50380-08-0-0

Technical data

Material characteristics	
Compressive stress according to EN 826 with 10 % compression	806 kPa or 8.2 kg/cm²
Bending strength to EN 12089	0.53 N/mm²
Tensile strength to EN 1607	0.53 N/mm²
Thermal conductivity	0.035 W/K
Fire protection class	B1
Water absorption during sub-water storage according to DIN 53434	0.25 %

Note: for more product information please refer to our order catalogue "Installation material".

GU 1K installation adhesive

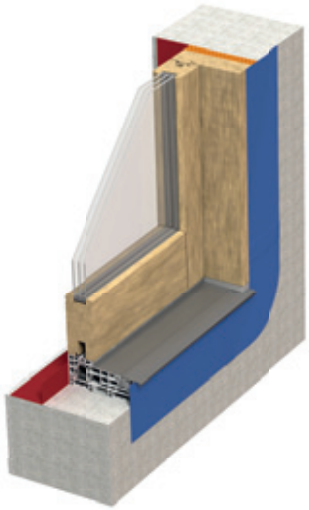
Versions/order numbers

Designation	Packaging	Contents	Colour	PU/ Box	Order no.
GU 1K installation adhesive	PE euro cartridge	290 ml	grey	12	H-01175-00-0-0
Designation	**Packaging**	**Contents**	**Colour**	**PU**	**Order no.**
GU 1K installation adhesive	Soft-pack	600 ml	grey	20	H-01175-60-0-0

Wall anchor

Versions/order numbers

Designation	PU	Order no.
Wall anchor [1]	1	9-40086-00-0-1
[1] Per m. of GU-thermostep 164 threshold, order 1 wall anchor.		



Structural sealing
Sealing of threshold at bottom horizontal

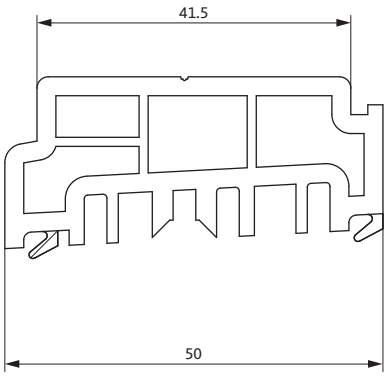
Versions/order numbers

Designation			PU	Order no.
GU installation set for L&S doors			1	H-01525-00-0-0
Contents			**PU**	
GU assembly corners			1 pair	
GU butyl external tape			7.5 m	
Designation			**PU**	**Order no.**
GU assembly corners			10 pairs	H-01526-00-0-0
GU installation butyl external tape, 200 mm			30 m	H-01527-00-0-0
GU installation butyl external tape, 300 mm			50 m	H-01527-30-0-0
Designation	**Length [m]**	**Colour**	**PU**	**Order no.**
Anti-moisture foil	50	black	1	9-39737-25-0-6
Anti-moisture foil without illustration				

You can find more information about the subject of structural sealing from page 486 onwards.

GU-thermostep 164 threshold

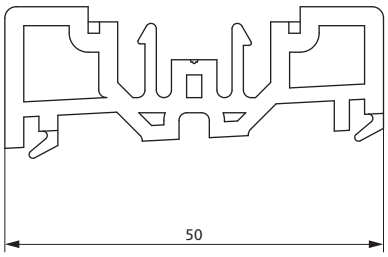
Attachment tracks



P 1634 attachment track

Versions/order numbers

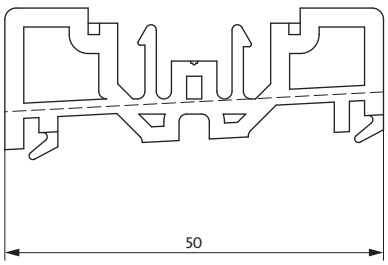
Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	1500	EV 1 / light grey	1	9-40300-15-0-1
	2000	EV 1 / light grey	1	9-40300-20-0-1
	2500	EV 1 / light grey	1	9-40300-25-0-1
	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5



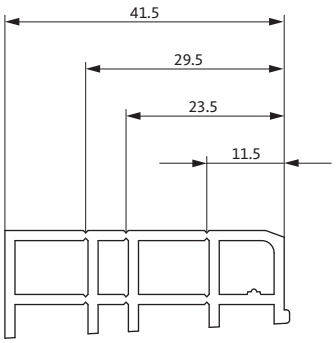
P 1633 attachment track-2

with water drainage

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

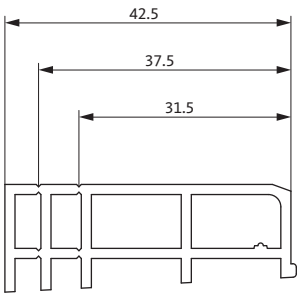
Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6



P 1641 intermediate profile 41

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



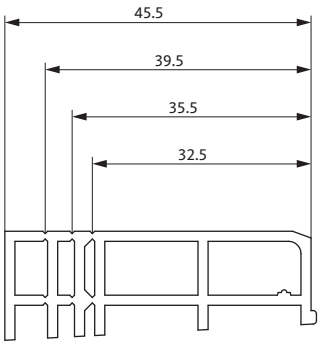
P 1677 intermediate profile 42

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6

GU-thermostep 164 threshold

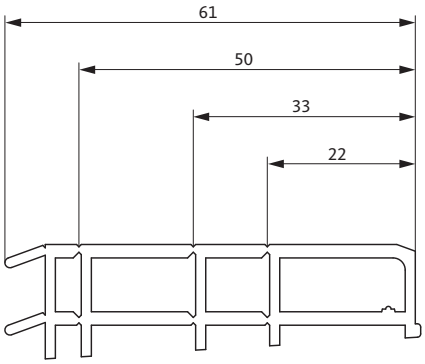
Intermediate profiles



P 1682 intermediate profile 45

Versions/order numbers

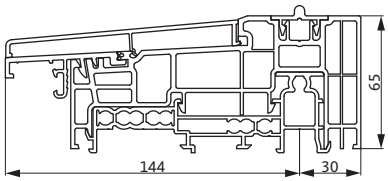
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6



P 1846 intermediate profile 61

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6



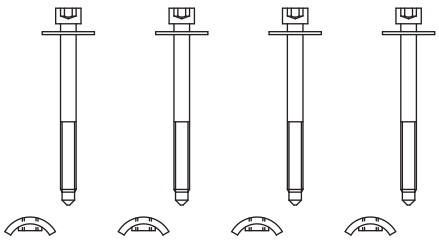
P 1767 Comfort profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1767 Comfort profile	3300	EV 1 / light grey	1	P-01767-33-0-1

GU-thermostep 164 threshold

Corner connection parts

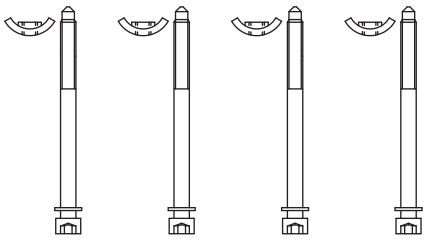


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

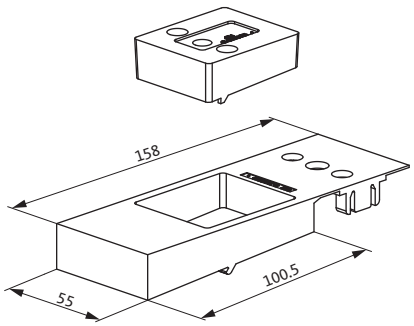


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

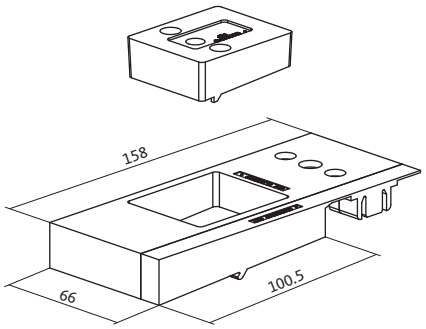
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-15430-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S gasket parts for 56 frame

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S gasket parts for 56 frame	56, 68	56	1	K-15681-00-0-6
Contains: 2 x gasket part, 2 x supporting plate				



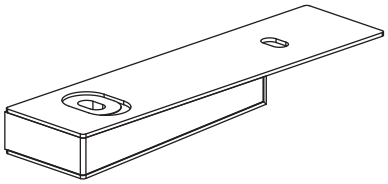
L&S gasket parts for 67 frame

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S gasket parts for 67 frame	68	56, 68	1	K-15679-00-0-6
Contains: 2 x gasket part, 2 x gasket backing plate, 2 x supporting plate				

GU-thermostep 164 threshold

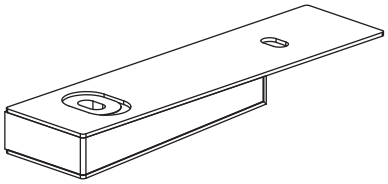
Corner connection parts



L&S corner connector

Versions/order numbers

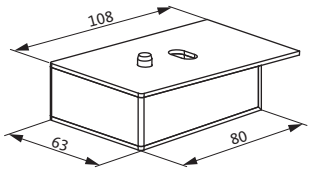
Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector	56	68	1	K-19741-01-0-1
Contains: 2 x corner connector, 3 x gasket plate Use drilling jig 6-39795-01-0-0.				



L&S corner connector

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector	68	68	1	K-19741-02-0-1
Contains: 2 x corner connector, 3 x gasket plate Use drilling jig 6-39795-02-0-0.				

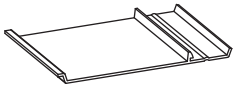


L&S corner connector extension

- Patterns E and L

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector extension	63	68	1	K-18313-01-0-1
Contains: 2 x corner connector				



Packer

Versions/order numbers

Designation	PU	Order no.
Packer [1]	1	9-43065-00-0-0
[1] Per m. of GU-thermostep threshold 164, order 2 packers.		

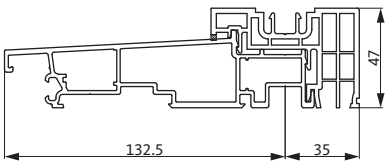
Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

GU-threshold 47 threshold

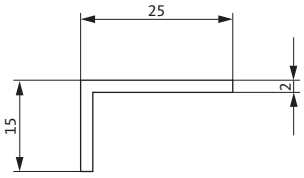
Base profile, coupling part



GU-threshold 47 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-threshold 47 base profile	5000	EV 1 / light grey	1	6-33848-50-0-1
	6700	EV 1 / light grey	1	6-33848-67-0-1

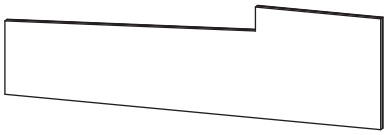


L&S coupling part for GU-threshold 47

from total frame width 6701 mm

Versions/order numbers

Designation	PU	Order no.
L&S coupling part for GU-threshold 47	1	K-17389-00-0-0
Contains: 2 x coupling part, 1 x gasket plate, accessories		



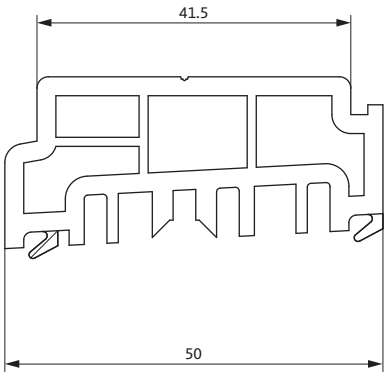
L&S end cover for GU threshold 47

Versions/order numbers

Designation	PU	Order no.
L&S end cover for GU threshold 47	1	K-19265-01-0-1
Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)		

GU-threshold 47 threshold

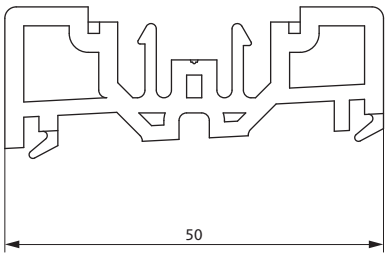
Attachment tracks



P 1634 attachment track

Versions/order numbers

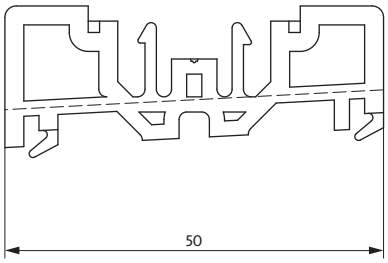
Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	1500	EV 1 / light grey	1	9-40300-15-0-1
	2000	EV 1 / light grey	1	9-40300-20-0-1
	2500	EV 1 / light grey	1	9-40300-25-0-1
	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5



P 1633 attachment track-2
with water drainage

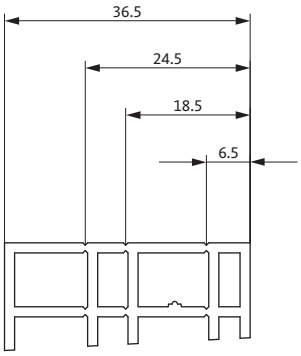
Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6

GU-threshold 47 threshold

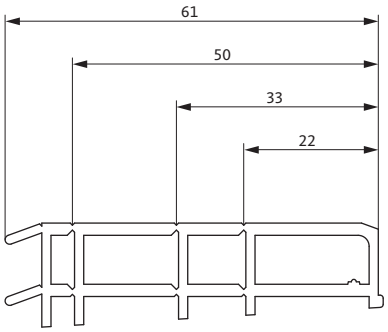
Intermediate profiles



P 1741 intermediate profile 36.5

Versions/order numbers

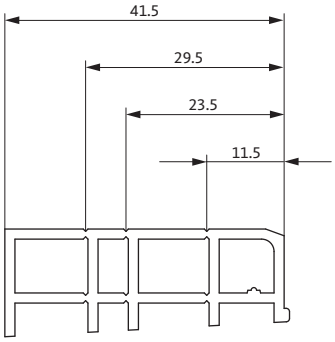
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1



P 1846 intermediate profile 61

Versions/order numbers

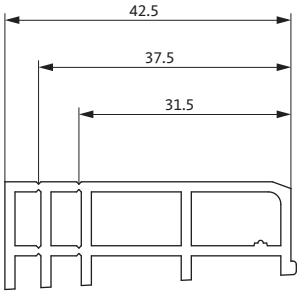
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6



P 1641 intermediate profile 41

Versions/order numbers

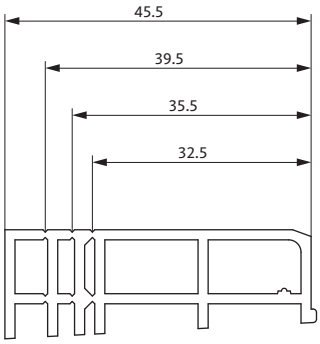
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



P 1677 intermediate profile 42

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6



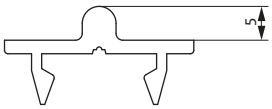
P 1682 intermediate profile 45

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6

GU-threshold 47 threshold

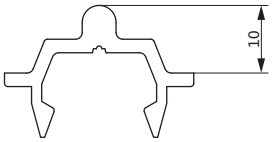
Roller tracks



P 1636 roller track 5

Versions/order numbers

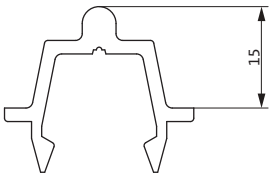
Designation	Length [mm]	PU	Finish	Order no.
P 1636 roller track 5	5000	1	EV 1 / light grey	9-39312-50-0-1
	6700	1	EV 1 / light grey	9-39312-67-0-1
		1	UC 5 / dark bronze	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

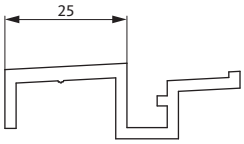
Designation	Length [mm]	PU	Finish	Order no.
P 1659 roller track 10	4500	1	EV 1 / light grey	9-39330-45-0-1
	6700	1	EV 1 / light grey	9-39330-67-0-1
		1	UC 5 / dark bronze	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	PU	Finish	Order no.
P 1635 roller track 15	3000	1	EV 1 / light grey	9-39311-30-0-1
	4000	1	EV 1 / light grey	9-39311-40-0-1
	5000	1	EV 1 / light grey	9-39311-50-0-1
	6700	1	EV 1 / light grey	9-39311-67-0-1
		1	UC 5 / dark bronze	9-39311-67-0-5

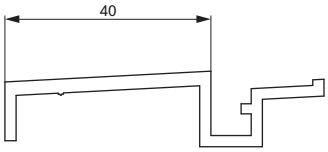


P 1051 extension 25
Length = 25 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1051 extension 25.

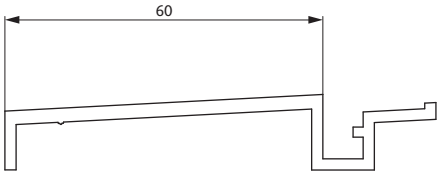


P 1840 extension 40
Length = 40 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1840 extension 40.



P 1918 extension 60
Length = 60 mm

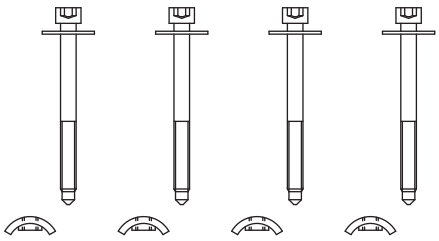
Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
			UC 5 / dark bronze	1	P-01918-67-0-5
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1918 extension 60.

GU-threshold 47 threshold

Corner connection parts

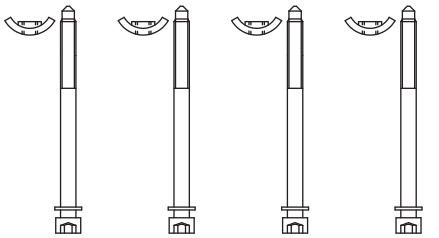


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

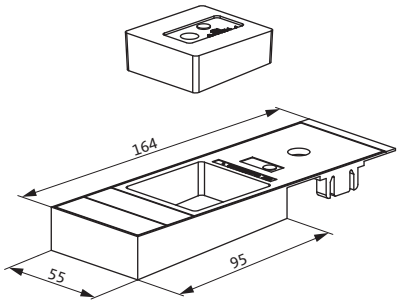


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

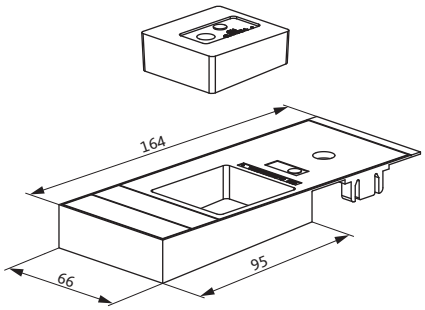
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-15430-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S gasket parts for 56 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		

GU-threshold 47 threshold

Anti-moisture foil, décor foil

Anti-moisture foil

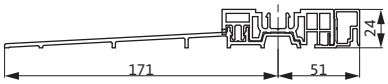
Versions/order numbers

Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5



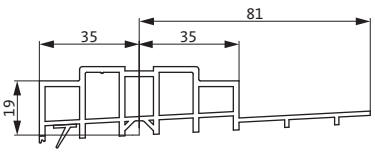
GU-flatstep 222 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-flatstep 222 base profile	6700	EV 1 / light grey	1	6-36103-67-0-1

GU-flatstep 222 threshold

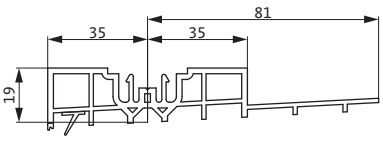
Attachment tracks for sash thickness 88 mm



P 1993 attachment track 19/81 Pattern A

Versions/order numbers

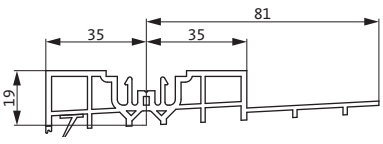
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash

Versions/order numbers

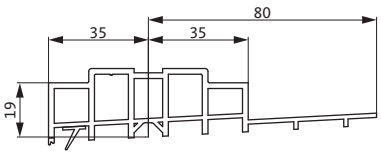
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



P 1994 attachment track-2 19/81 Pattern D – passage area

Versions/order numbers

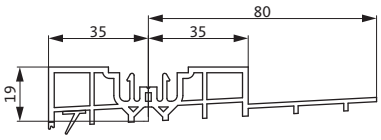
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1



P 1991 attachment track 19/80
Pattern A

Versions/order numbers

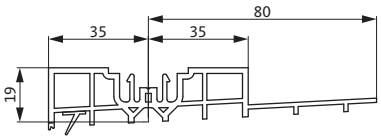
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80
Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1



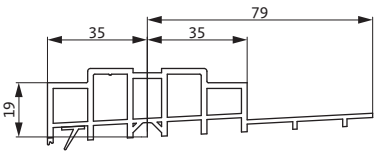
P 1992 attachment track-2 19/80
Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1

GU-flatstep 222 threshold

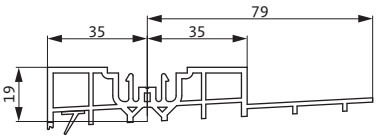
Attachment tracks for sash thickness 92 mm



P 1989 attachment track 19/79 Pattern A

Versions/order numbers

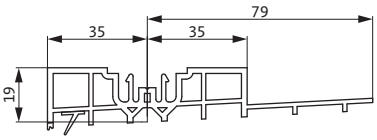
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash

Versions/order numbers

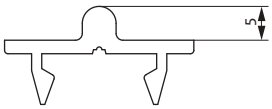
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



P 1990 attachment track-2 19/79 Pattern D – passage area

Versions/order numbers

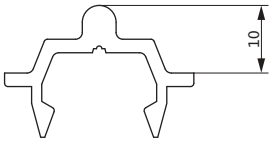
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1



P 1636 roller track 5

Versions/order numbers

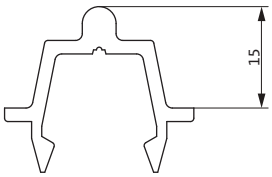
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



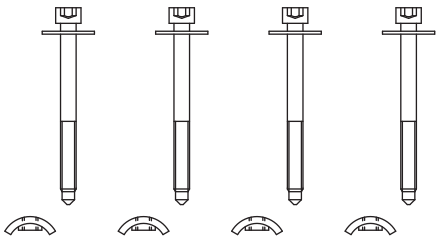
P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

GU-flatstep 222 threshold

Corner connection parts

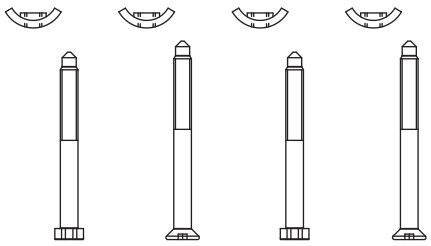


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

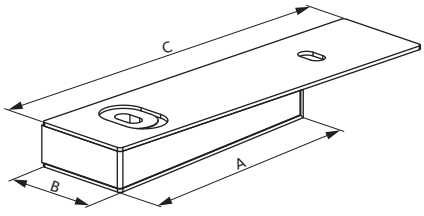


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws		



L&S corner connector

Versions/order numbers

Designation	ST [mm]	Dim. [mm]	Dim. [mm]	Dim. C [mm]	PU	Order no.
L&S corner connector	88, 90, 92	129	63	203	1	K-17914-00-0-1
		125	56	216	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate, 2 x sealing plate						

Anti-moisture foil

Versions/order numbers

Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

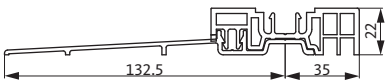
Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

GU-flatstep 164 threshold

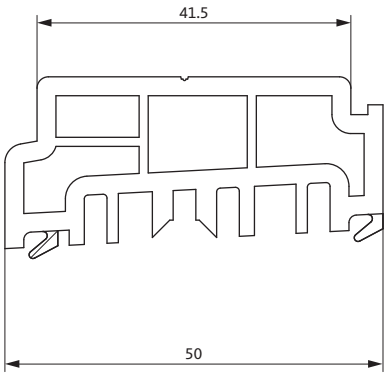
Base profile



GU-flatstep 164 base profile

Versions/order numbers

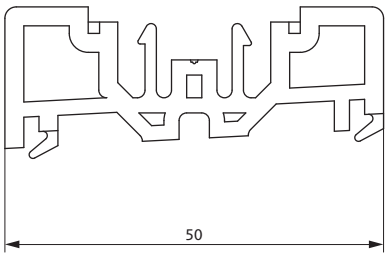
Designation	Length [mm]	Finish	PU	Order no.
GU-flatstep 164 base profile	6700	EV 1 / light grey	1	6-34948-67-0-1
		UC 5 / dark bronze	1	6-34948-67-0-5



P 1634 attachment track

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



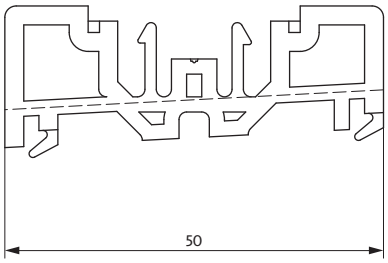
P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	1500	EV 1 / light grey	1	9-40300-15-0-1
	2000	EV 1 / light grey	1	9-40300-20-0-1
	2500	EV 1 / light grey	1	9-40300-25-0-1
	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5

GU-flatstep 164 threshold

Attachment tracks



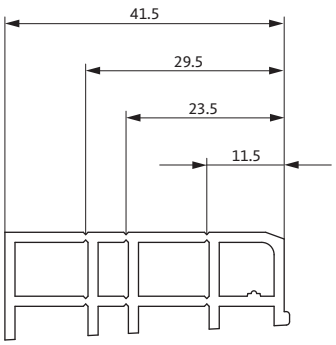
P 1633 attachment track-2

with water drainage

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

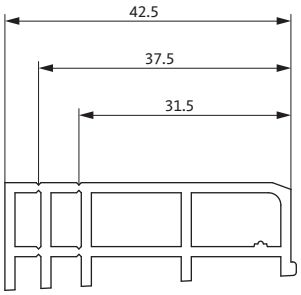
Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6



P 1641 intermediate profile 41

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



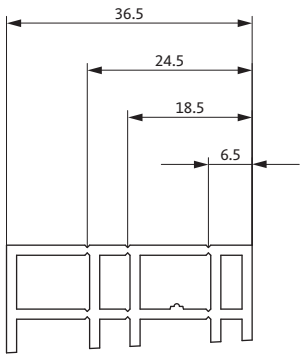
P 1677 intermediate profile 42

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6

GU-flatstep 164 threshold

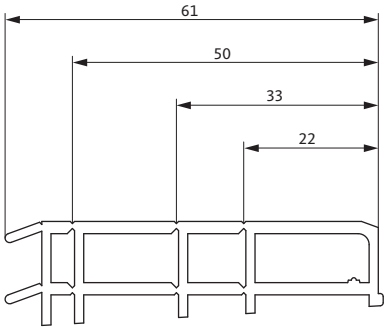
Intermediate profiles



P 1741 intermediate profile 36.5

Versions/order numbers

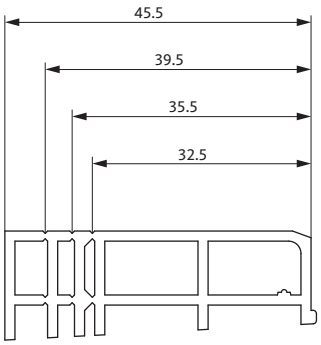
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1



P 1846 intermediate profile 61

Versions/order numbers

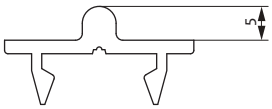
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6



P 1682 intermediate profile 45

Versions/order numbers

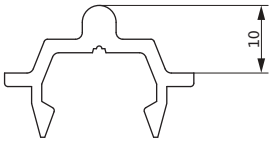
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6



P 1636 roller track 5

Versions/order numbers

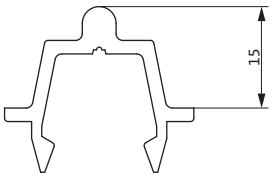
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



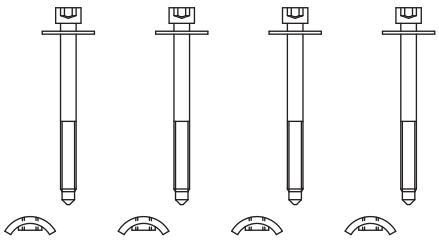
P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

GU-flatstep 164 threshold

Corner connection parts

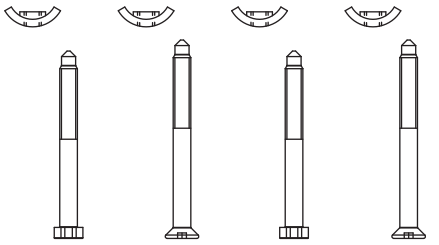


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

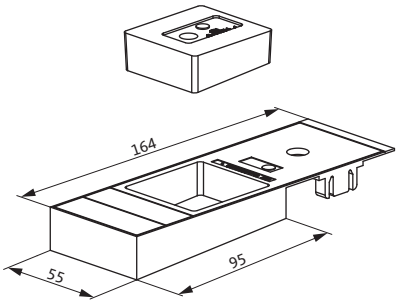


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

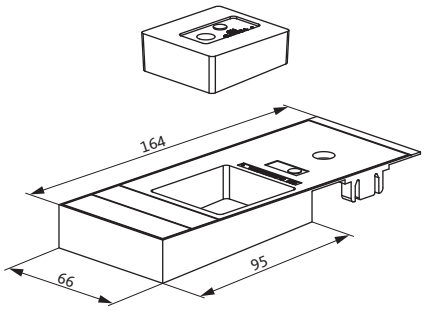
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws		



L&S gasket parts for 56 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		

GU-flatstep 164 threshold

Anti-moisture foil, décor foil

Anti-moisture foil

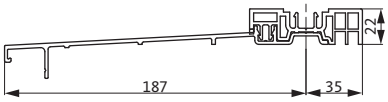
Versions/order numbers

Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5



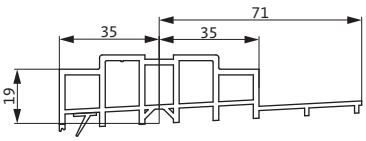
GU-timberstep 204 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-timberstep 204 base profile	5000	EV 1 / light grey	1	6-35512-50-0-1
	6700	EV 1 / light grey	1	6-35512-67-0-1

GU-timberstep 204 threshold

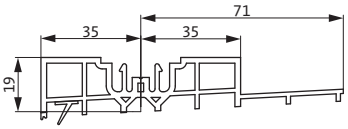
Attachment tracks for sash thickness 78 mm



P 1987 attachment track 19/71
Pattern A

Versions/order numbers

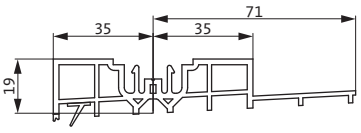
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1987 attachment track 19/71 Pattern A	78	2000	EV 1 / light grey	1	P-01987-20-0-1
		2500	EV 1 / light grey	1	P-01987-25-0-1
		3350	EV 1 / light grey	1	P-01987-33-0-1



P 1988 attachment track-1 19/71
Pattern D – fixed-glazed sash

Versions/order numbers

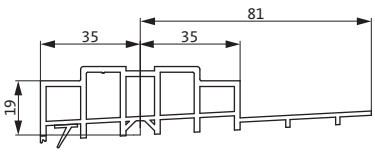
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash	78	2000	EV 1 / light grey	1	P-01988-20-0-1
		2500	EV 1 / light grey	1	P-01988-25-0-1
		3350	EV 1 / light grey	1	P-01988-33-0-1



P 1988 attachment track-2 19/71
Pattern D – passage area

Versions/order numbers

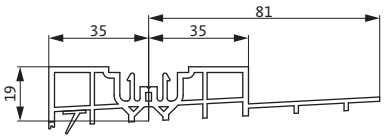
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-2 19/71 Pattern D – passage area	78	2500	EV 1 / light grey	1	9-48285-25-0-1
		3350	EV 1 / light grey	1	9-48285-33-0-1



P 1993 attachment track 19/81 Pattern A

Versions/order numbers

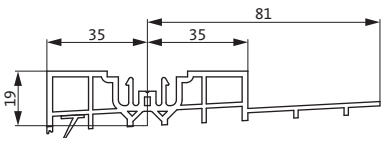
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



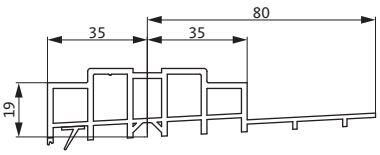
P 1994 attachment track-2 19/81 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1

GU-timberstep 204 threshold

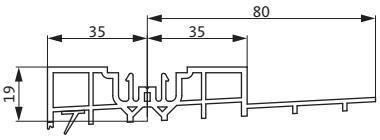
Attachment tracks for sash thickness 90 mm



P 1991 attachment track 19/80 Pattern A

Versions/order numbers

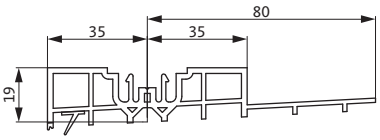
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash

Versions/order numbers

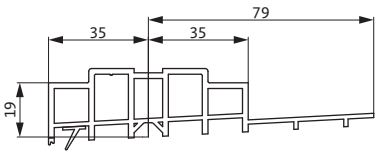
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1



P 1992 attachment track-2 19/80 Pattern D – passage area

Versions/order numbers

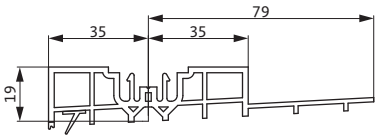
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1



P 1989 attachment track 19/79
Pattern A

Versions/order numbers

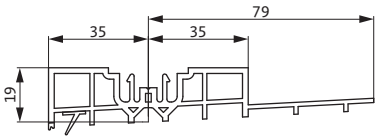
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



P 1990 attachment track-1 19/79
Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



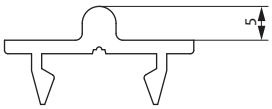
P 1990 attachment track-2 19/79
Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1

GU-timberstep 204 threshold

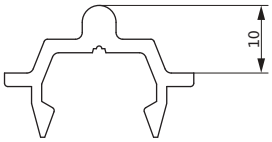
Roller tracks



P 1636 roller track 5

Versions/order numbers

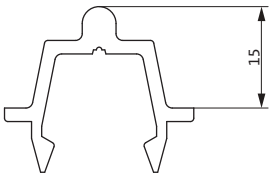
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

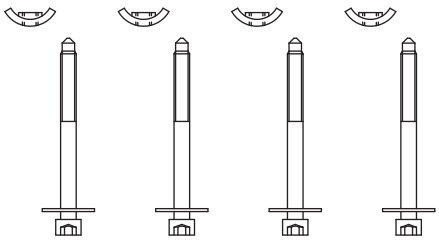
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers

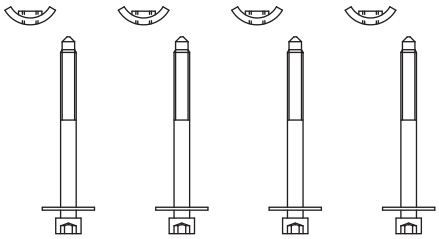
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5



L&S corner connection parts, top
Vertical door frame in relation to horizontal door frame

Versions/order numbers

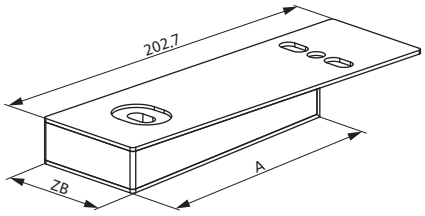
Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connector

Versions/order numbers

Designation	FW [mm]	ST [mm]	Dimension A [mm]	PU	Order no.
L&S corner connector	63	78	110	1	K-17914-03-0-1
		88, 90, 92	125	1	K-17914-01-0-1
	56	78	110	1	K-18493-03-0-1
		88, 90, 92	125	1	K-18493-01-0-1
Contains: 2 x corner connector, 2 x gasket plate					

GU-timberstep 204 threshold

Anti-moisture foil, décor foil

Anti-moisture foil

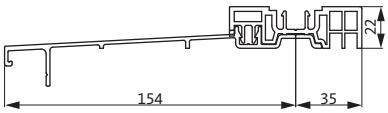
Versions/order numbers

Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5



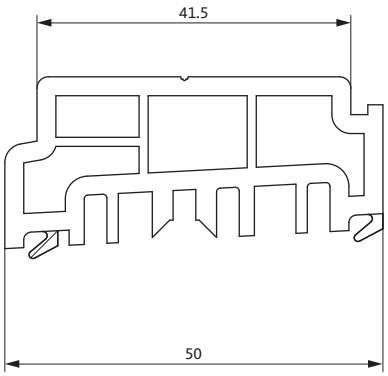
GU-timberstep 164 base profile

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
GU-timberstep 164 base profile	5000	EV 1 / light grey	1	6-35030-50-0-1
	6700	EV 1 / light grey	1	6-35030-67-0-1
		UC 5 / dark bronze	1	6-35030-67-0-5

GU-timberstep 164 threshold

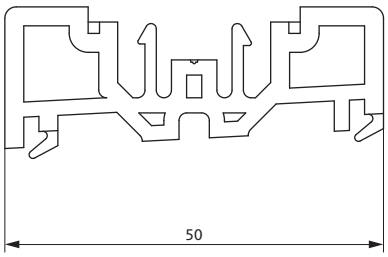
Attachment tracks



P 1634 attachment track

Versions/order numbers

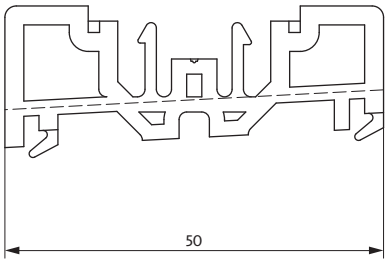
Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	1500	EV 1 / light grey	1	9-40300-15-0-1
	2000	EV 1 / light grey	1	9-40300-20-0-1
	2500	EV 1 / light grey	1	9-40300-25-0-1
	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5



P 1633 attachment track-2
with water drainage

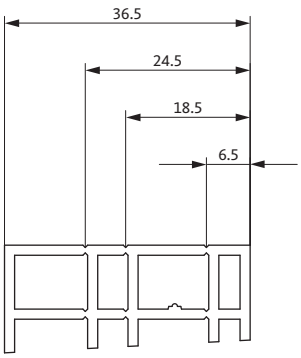
Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 1636 (5 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6

GU-timberstep 164 threshold

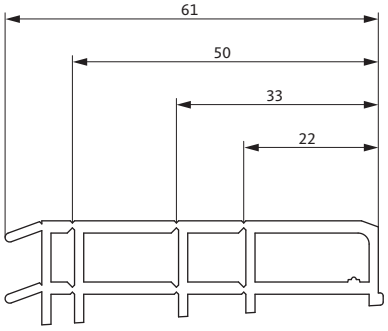
Intermediate profiles



P 1741 intermediate profile 36.5

Versions/order numbers

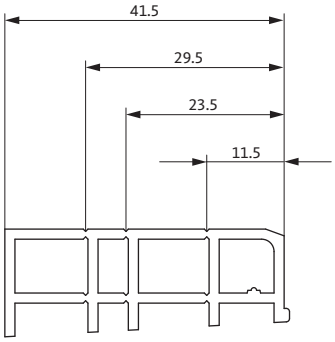
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1



P 1846 intermediate profile 61

Versions/order numbers

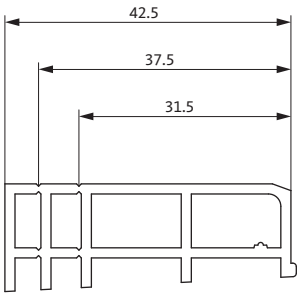
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6



P 1641 intermediate profile 41

Versions/order numbers

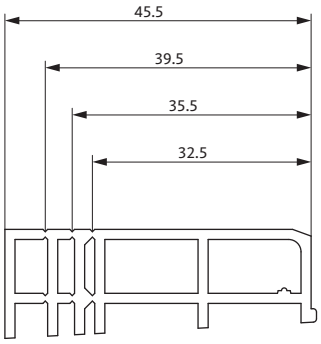
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



P 1677 intermediate profile 42

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6



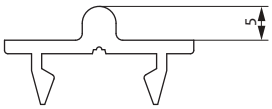
P 1682 intermediate profile 45

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6

GU-timberstep 164 threshold

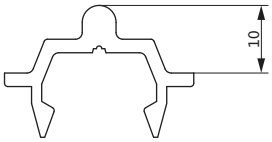
Roller tracks



P 1636 roller track 5

Versions/order numbers

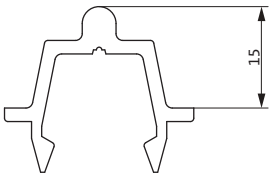
Designation	Length [mm]	Finish	PU	Order no.
P 1636 roller track 5	5000	EV 1 / light grey	1	9-39312-50-0-1
	6700	EV 1 / light grey	1	9-39312-67-0-1
		UC 5 / dark bronze	1	9-39312-67-0-5



P 1659 roller track 10

Versions/order numbers

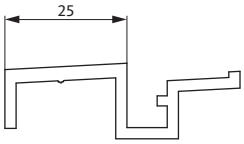
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

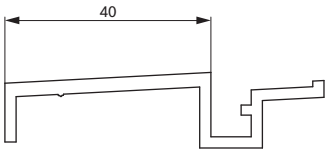


P 1051 extension 25
Length = 25 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1051 extension 25.

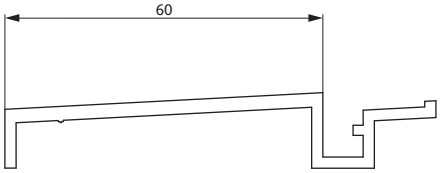


P 1840 extension 40
Length = 40 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1840 extension 40.



P 1918 extension 60
Length = 60 mm

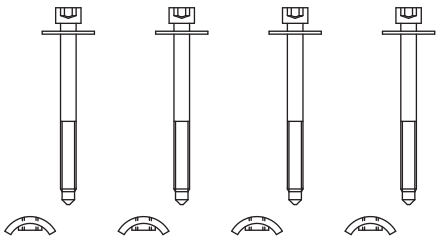
Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
			UC 5 / dark bronze	1	P-01918-67-0-5
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1918 extension 60.

GU-timberstep 164 threshold

Corner connection parts

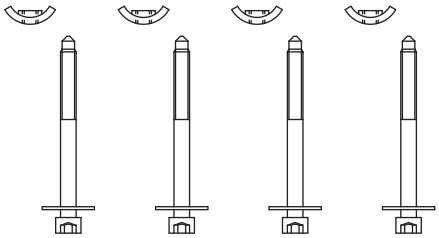


L&S corner connection parts, top

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

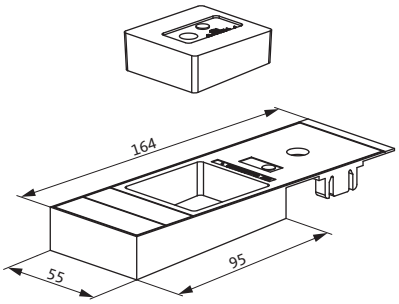


L&S corner connection parts, bottom

Threshold to door frame, vertical

Versions/order numbers

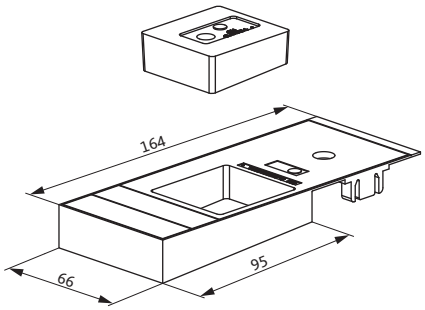
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S gasket parts for 56 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		

GU-timberstep 164 threshold

Anti-moisture foil, décor foil

Anti-moisture foil

Versions/order numbers

Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

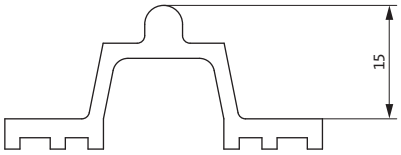
Décor foil

Versions/order numbers

Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

Timber thresholds

Screw-on roller tracks



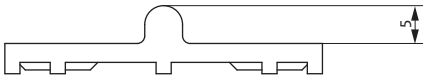
Installation drawing 0-46012

P 432 roller track, high – height dimension 15 mm

screw-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 432 roller track, high	6700	EV 1 / light grey	1	9-09547-67-0-1
		UC 5 / dark bronze	1	9-09547-67-0-5



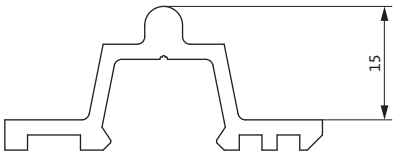
Installation drawing 0-46012

P 379 roller track, low – height dimension 5 mm

screw-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 379 roller track, low	6700	EV 1 / light grey	1	9-08228-67-0-1
		UC 5 / dark bronze	1	9-08228-67-0-5



Installation drawing 0-46012

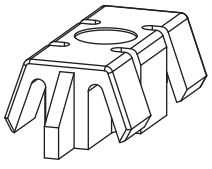
P 1542 roller track, high – height dimension 15 mm

clip-on type

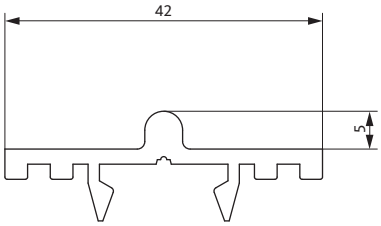
Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1542 roller track, high	6700	EV 1 / light grey	1	6-28781-67-0-1
Fastening clip for P 1542 roller track, high		–	1	9-37558-00-0-0

Fastening clip: requirement depending on sash width	
SW [mm]	Piece(s)
– 1450	10
1451 – 1700	13
1701 – 1950	14
1951 – 2200	15
2201 – 2450	17
2451 – 2800	19
2801 – 3300	23



Fastening clip for roller track P 1542

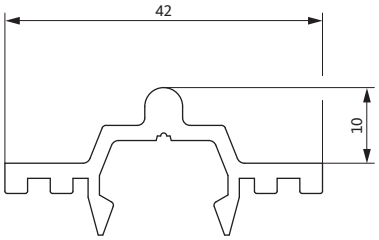


Installation drawing 0-46012

P 2040 roller track – height dimension 5 mm
clip-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
Roller track P 2040	6700	EV 1 / light grey	1	P-02040-67-0-1

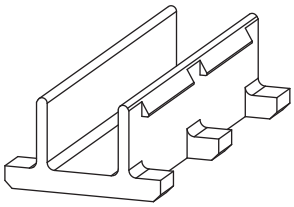


Installation drawing 0-46012

P 2039 roller track – height dimension 10 mm
clip-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
Roller track P 2039	6700	EV 1 / light grey	1	P-02039-67-0-1



Fastening clip for P 2040 and P 2039 roller tracks

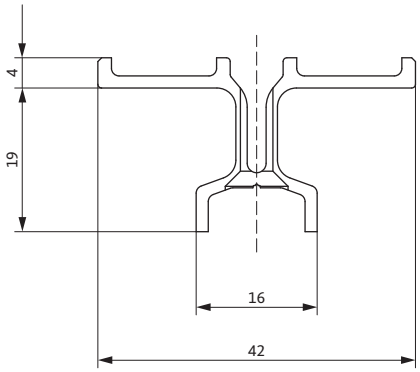
Versions/order numbers

Designation	Finish	PU	Order no.
Fastening clip	–	1	9-48703-00-0-0

3 fastening clips are necessary per metre of roller track.

P 1786 guide track

Guide track, accessories



P 1786 guide track

for visible installation in the top door frame

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1786 guide track	2900	EV 1 / light grey	1	9-45094-30-0-1
		UC 5 / dark bronze	1	9-45094-30-0-5
	3400	EV 1 / light grey	1	9-45094-35-0-1
	3900	EV 1 / light grey	1	9-45094-40-0-1
		UC 5 / dark bronze	1	9-45094-40-0-5
	4400	EV 1 / light grey	1	9-45094-45-0-1
	4900	EV 1 / light grey	1	9-45094-50-0-1
		UC 5 / dark bronze	1	9-45094-50-0-5
	6600	EV 1 / light grey	1	9-45094-67-0-1
		UC 5 / dark bronze	1	9-45094-67-0-5

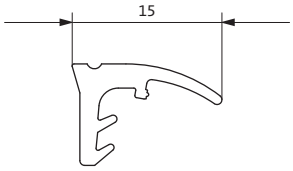
Hole spacing for fixing screws, every 300 mm symmetrical

L&S accessories, guide P 1786

Versions/order numbers

Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1786	5	1	K-17873-05-0-1	K-17873-05-0-6
	10	1	K-17873-10-0-1	K-17873-10-0-6
	15	1	K-17873-15-0-1	K-17873-15-0-6

Contains: 2 x guide, 2 x filler piece, 2 x rubber buffer, 1 x cover plate, 1 x cover cap, gaskets



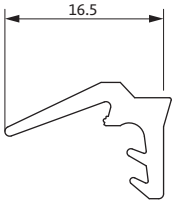
P 742 gasket profile (guide track)

For sealing at sliding sash, at top and horizontal

Required: 2 pcs; length = sash width -4 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6



P 1156 gasket profile (strip L)

for sealing of passage area, horizontal at top

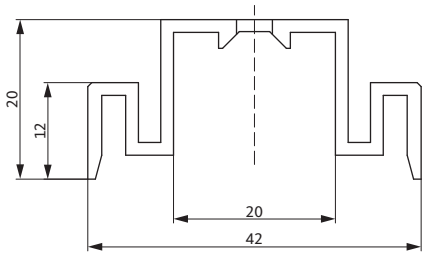
Required: 1 pc; length = sash width -2 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6

P 1849 / P 1850 guide tracks

Guide tracks

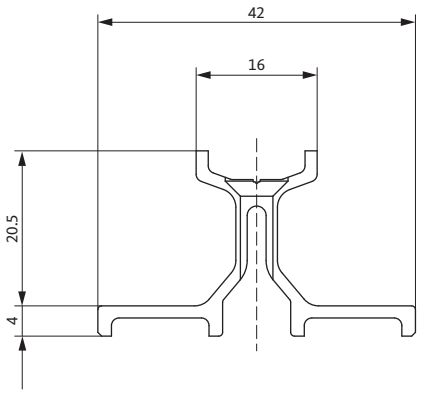


P 1850 guide track

for concealed installation in the top door frame;
in combination with guide track P 1849

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1850 guide track	2900	EV 1 / light grey	1	9-45931-30-0-1
	3900	EV 1 / light grey	1	9-45931-40-0-1
	4900	EV 1 / light grey	1	9-45931-50-0-1
	6600	EV 1 / light grey	1	9-45931-67-0-1
Hole spacing for fixing screws, every 300 mm symmetrical				

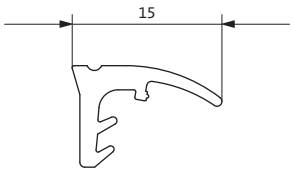


P 1849 guide track

for concealed installation in the sliding sash, at the top and horizontal;
in combination with the guide track P 1850

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1849 guide track	1500	EV 1 / light grey	1	9-45930-15-0-1
	2000	EV 1 / light grey	1	9-45930-20-0-1
	2500	EV 1 / light grey	1	9-45930-25-0-1
	3300	EV 1 / light grey	1	9-45930-33-0-1
	6600	EV 1 / light grey	1	9-45930-67-0-1
Hole spacing for fixing screws, every 300 mm symmetrical				



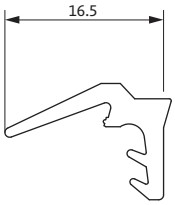
P 742 gasket profile (guide track)

for sealing in the P 1850 guide track at horizontal top

Required: 2 pcs; length = sash width -4 mm or Optional: 2 pcs; length = TFW

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6



P 1156 gasket profile (strip L)

for sealing of passage area, horizontal at top

Required: 1 pc; length = sash width -2 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6

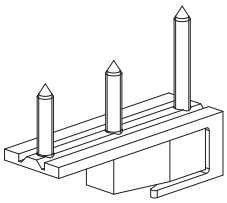
P 1850 guide track

Accessories

L&S accessories, guide P 1850

Versions/order numbers

Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1850	5	1	K-17995-05-0-1	K-17995-05-0-6
	10	1	K-17995-10-0-1	K-17995-10-0-6
Contains: 2 x guide, 2 x filler piece, 2 x rubber buffer, 1 x cover plate, 1 x cover cap, gaskets				



L&S damper P 1850

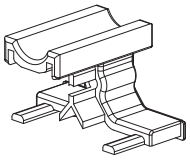
For fully concealed installation in the frame profile of the P 1850 guide track.
With the L&S damper, it is possible to stop the sash in any position.
This is particularly useful in asymmetrically divided elements.

Use with sash weights:

- up to 150 kg with standard bogie
- 151–300 kg with standard bogie/Tandem bogie front
- 301–400 kg with standard bogie/Tandem bogie front and rear

Versions/order numbers

Designation	Finish	PU	Order no.
L&S damper P 1850	stainless steel	1	K-19027-00-0-0

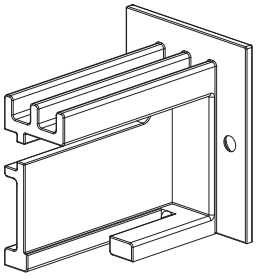


Guide, concealed meeting stile P 1850

concealed; in combination with cover plate, bottom concealed

Versions/order numbers

Designation	Finish	PU	Order no.
Guide, concealed meeting stile P 1850	light grey	1	9-49298-01-0-1
	black	1	9-49298-01-0-6



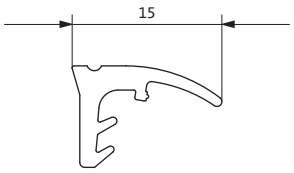
Cover plate, bottom concealed GU-934

concealed; in combination with guide, meeting stile concealed

Versions/order numbers

Designation	Roller track	Finish	PU	Order no.
Cover plate, bottom concealed GU-934 Roller track	P 1636 (5 mm)	light grey	1	9-49299-00-0-1
		black	1	9-49299-00-0-6
	P 1659 (10 mm)	light grey	1	9-49299-01-0-1
		black	1	9-49299-01-0-6

Gasket profiles



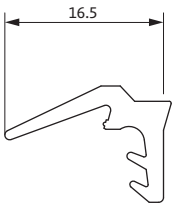
P 742 gasket profile (guide track)

for sealing at top of sliding sash, horizontal in relation to the guide track

Required: 2 pcs; length = sash width -4 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6



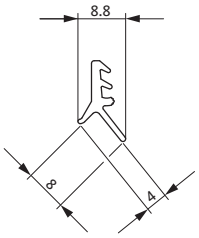
P 1156 gasket profile (strip L)

for sealing of passage area, horizontal at top

Required: 1 pc; length = sash width -2 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6



P 743 gasket profile

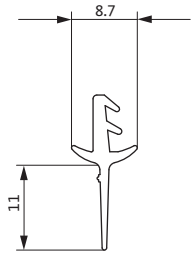
for sealing at vertical meeting stile
Required: 2 pcs; length = sash height -20 mm

Pattern G1: instead of the gasket corner at bottom horizontal
Required: 2 pcs; length = sash width

Pattern C: for the passive sash at bottom horizontal
Required: 2 pcs; length = sash width

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 743 gasket profile	100	grey	1	W751012-00-0-1
		black	1	W751012-00-0-6
	20	black	1	W751012-20-0-6
without silicone coating				
P 743 gasket profile	100	grey	1	W751012-01-0-1



P 1483 gasket profile

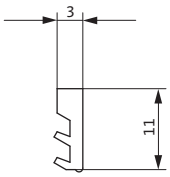
for sealing at the door frame, vertical (in the cover strip W) in relation to the sliding sash, in the version with L&S night vent module

Required: 1 pc; length = sash height -6 mm

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
P 1483 gasket profile	100	black	1	W751048-00-0-1

Gasket profiles



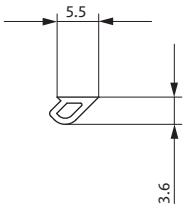
P 859 gasket profile

for sealing the profile extensions in relation to the threshold/to the drip rail

Required: 1 pc; length = total frame width

Versions/order numbers

Designation	Length [m]	Finish	PU	Order no.
P 859 gasket profile	100	black	1	W-751018



P 1645 gasket profile

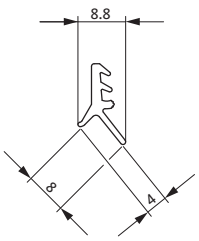
for sealing the groove between the GU-thermostep threshold and the attachment track 2 for patterns D, E, F, L

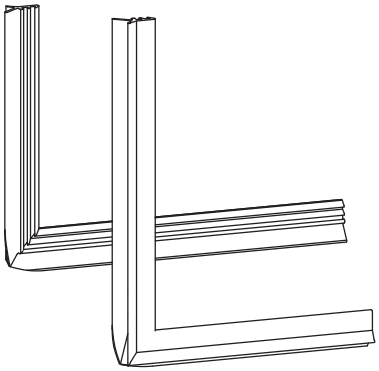
Required: 1 pc; length = ½ total frame width

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1645 gasket profile	3350	black	1	9-39736-33-0-6

Application: if a drip rail is not used in the passage area with pattern D, E, F, L the gasket profile P 1645 is used for sealing the clip groove in the drip rail of the GU-thermostep threshold in the area of the outer sash.





P 743 gasket corner

for sealing in sliding sash, vertical and bottom horizontal

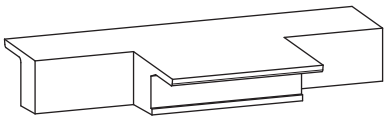
Required: 2 pcs; length = sash width -4 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
with silicone coating				
P 743 gasket corner	2500	grey	1	9-26729-25-0-1
		black	1	9-26729-25-0-6
	3500	grey	1	9-26729-35-0-1
		black	1	9-26729-35-0-6
without silicone coating				
P 743 gasket corner	2500	grey	1	9-26729-26-0-1
		black	1	9-26729-26-0-6

Gasket plates

for sealing in the area of the meeting stile

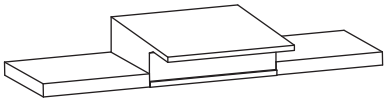


Gasket plate for meeting stile – sash thickness 56 mm

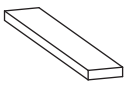
for GU-thermostep 164
for sealing under the meeting stile strips

Versions/order numbers

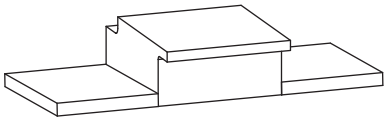
Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, F, G2, K	black	1	9-44980-01-0-6



Gasket plate for meeting stile 9-43654-00-0-6



Gasket strip for meeting stile / fixed-glazed sash 9-47445-00-0-6



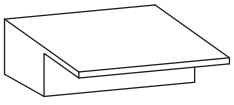
Gasket plate for meeting stile 9-43970-00-0-6

Gasket plates for meeting stile – sash thickness 68 mm

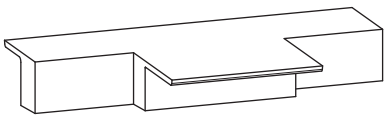
for GU-thermostep 164
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-43654-00-0-6
Gasket strip for meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-47445-00-0-6
Gasket plate for meeting stile	E, L	black	1	9-43970-00-0-6



Gasket plate for meeting stile 9-45578-00-0-6



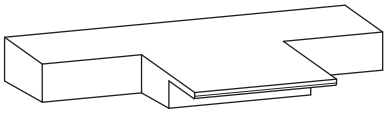
Gasket plate for meeting stile 9-45851-68-0-6

Gasket plates for meeting stile – sash thickness 56/68 mm

for GU-threshold 47
for GU-timberstep 164
for GU-flatstep 164
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, G1, G2, K	black	1	9-45578-00-0-6
Gasket plate for meeting stile	D, F	black	1	9-45851-68-0-6

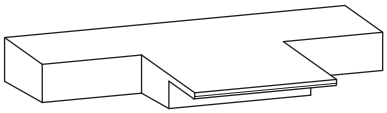


Gasket plates for meeting stile – sash thickness 78 mm

for GU-thermostep 204
for GU-timberstep 204
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-01-0-6
Gasket strip for meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6

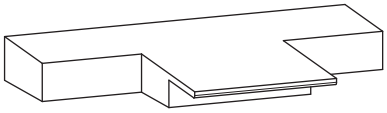


Gasket plates for meeting stile – sash thickness 88, 90, 92 mm

for GU-thermostep 204
for GU-timberstep 204
for GU-flatstep 222
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-00-0-6
Gasket strip for meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6



Gasket plates for meeting stile – sash thickness 110 mm

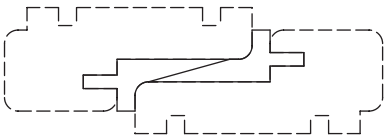
for GU-thermostep 204
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-02-0-6
Gasket strip for meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6

Gasket plates

for sealing in the area of the meeting stile



L&S accessories, meeting stile

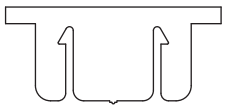
for sealing between the meeting stile strips, at top vertical

1 pc required per meeting stile strip

Versions/order numbers

Designation	SD [mm]	ST [mm]	Finish	PU	Order no.
L&S accessories, meeting stile	28	56, 68, 78, 88	black	1	K-18432-28-0-1
	25	90	black	1	K-18432-25-0-1
	22	92, 110	black	1	K-18432-22-0-1

Contains: 2 x meeting stile gaskets



Gasket plate for the roller track groove of the GU-thermostep threshold 164 / 204

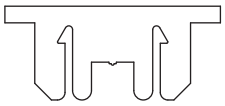
for sealing the roller track groove of the inner sliding sash to the door frames

2 pcs required per roller track groove

Note: grease slightly to make installation easier

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate GU-thermostep 164/204	black	1	9-46553-00-0-6



Gasket plate for the roller track groove of the attachment track

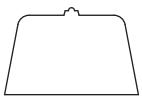
for sealing under the roller track in pattern D

2 pcs required per roller track groove

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate for attachment track	grey	1	9-46557-00-0-1

Gasket plate for roller track 10 mm



Gasket plate for roller track 15 mm

Gasket plate for the roller track on the attachment track

for sealing the roller track in pattern D in the external area

Required: **Roller track 10 mm / 15 mm** = 1 item per roller track
Roller track 5 mm = not required

Versions/order numbers

Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket plate	10	grey	1	9-44739-10-0-1
	15	grey	1	9-44739-15-0-1

Gasket plates

for interior/exterior turn handle, flush pull

Gasket plate for exterior and interior turn handle

The optional gasket plate which is universally applicable for all handle models provides increased tightness, especially in Blower Door Tests. The profile cylinder insert is removable so the gasket ensures optimal sealing for all handle variants.

Versions/order numbers

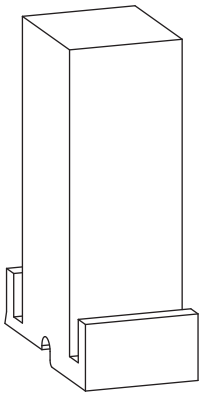
Designation	Finish	PU	Order no.
Gasket plate for turn handle	black	1	9-47210-01-0-6

Gasket plate for flush pull

The optional gasket plate which is universally applicable for all flush pulls provides increased tightness, especially in Blower Door Tests. The adaptable gasket plate ensures optimal sealing for all flush pull models.

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate for flush pull	black	1	9-47211-01-0-6



Gasket pad for bogie groove 5 mm

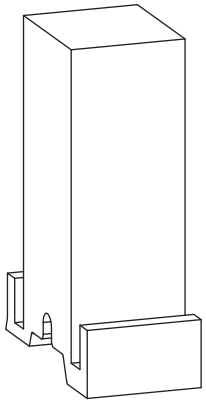
Gasket pad for bogie groove GU-934

for sealing the bogie groove of the outer sliding sash with patterns D, E or L

1 pc required per sliding sash

Versions/order numbers

Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket pad	5	black	1	9-44979-05-0-1
	10	black	1	9-44979-10-0-1
	15	black	1	9-44979-15-0-1



Gasket pad for bogie groove 10 mm

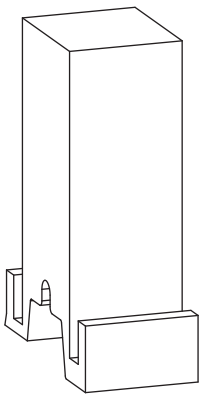
Gasket pad for bogie groove GU-937

for sealing the bogie groove of the outer sliding sash with patterns D, E or L

1 pc required per sliding sash

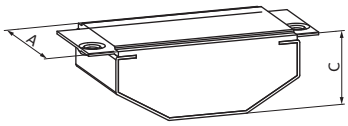
Versions/order numbers

Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket pad	5	black	1	9-45105-05-0-1
	10	black	1	9-45105-10-0-1
	15	black	1	9-45105-15-0-1



Gasket pad for bogie groove 15 mm

Bridging gaskets

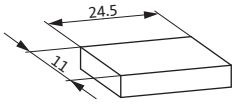


Bridging gaskets

Note: the installation position depends on the system

Versions/order numbers

Designation	Dimension A [mm]	Dimension C [mm]	PU	Order no.
Bridging gaskets	43	27	1	6-22154-01-0-0
	60	27	1	6-22154-02-0-0
	78	27	1	6-22154-03-0-0
	95	27	1	6-22154-04-0-0
	55	27	1	6-22154-05-0-0
	67	27	1	6-22154-06-0-0
	78	18	1	6-22154-07-0-0
	30	27	1	6-22154-08-0-0
	29	14	1	6-22154-09-0-0
	52	13	1	6-22154-10-0-0
	38	22	1	6-22154-11-0-0
	63	18	1	6-22154-12-0-0
	27	22	1	6-22154-13-0-0
	52	30	1	6-22154-14-0-0
	39	18	1	6-22154-15-0-0
	37	28	1	6-22154-16-0-0
	34	31	1	6-22154-17-0-0
	28	31	1	6-22154-18-0-0
	85	13	1	6-22154-19-0-0
	39	18	1	6-22154-20-0-0
	24	27	1	6-22154-21-0-0
	27	27	1	6-22154-22-0-0
	28	18	1	6-22154-23-0-0
	43	17	1	6-22154-24-0-0
	84	17	1	6-22154-25-0-0
	63	13	1	6-22154-26-0-0
	95	13	1	6-22154-27-0-0
	70	8	1	6-22154-28-0-0
	110	8	1	6-22154-29-0-0
	75	8	1	6-22154-30-0-0
	70	27	1	6-22154-31-0-0
	82	27	1	6-22154-32-0-0
	90	27	1	6-22154-33-0-0
	21	24	1	6-22154-34-0-0
	75	17	1	6-22154-35-0-0
	90	18	1	6-22154-36-0-0
	63	18	1	6-22154-37-0-0
	36	12	1	6-22154-38-0-0
	61	12	1	6-22154-39-0-0
	56	27	1	6-22154-41-0-0
	64	27	1	6-22154-42-0-0
	80	27	1	6-22154-43-0-0
	69	17	1	6-22154-44-0-0
	51	17	1	6-22154-45-0-0
	59	17	1	6-22154-46-0-0
	41	17	1	6-22154-47-0-0
	54	17	1	6-22154-48-0-0



Alternative: gasket plate with self-adhesive film

when using the P 1786 guide track

Versions/order numbers

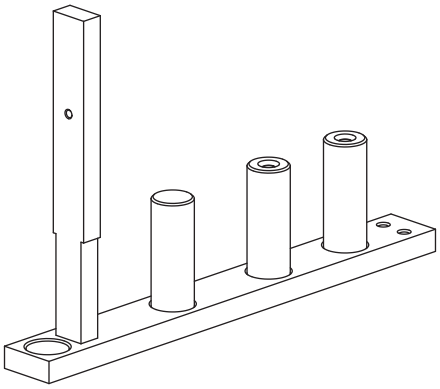
Designation	Width [mm]	Height [mm]	Depth [mm]	PU	Order no.
Gasket plate with self-adhesive film	26	5	26	1	9-43687-04-0-6
	74	4	30	1	9-43687-05-0-6
	30	6	20	1	9-43687-06-0-6

4.0 Drilling jigs and auxiliary tools

Drilling jigs and milling jigs 330
Mounting tools 337

Drilling jigs

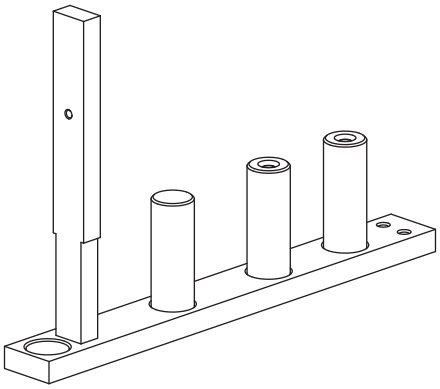
for installation of the bogie GU-934 / GU-937



Drilling jig for installation of the bogie GU-934

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for installation of the bogie	GU-934	1	6-39690-01-0-0
	GU-934 Tandem	1	K-19878-01-0-0



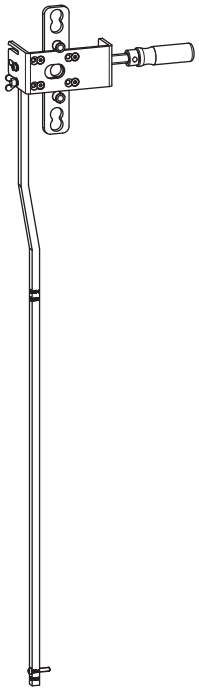
Drilling jig for installation of the bogie GU-937

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for installation of the bogie	GU-937	1	6-39690-02-0-0
	GU-937 Tandem	1	K-19878-02-0-0

Milling jig, drilling jig

for the installation of turn handles
for installation of flush pull and centre-lock

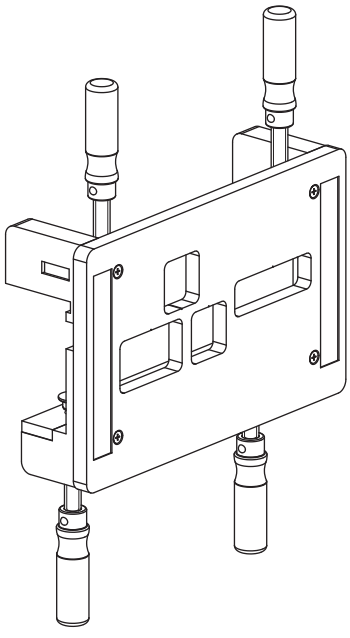


Drilling jig for the installation of turn handles

Non-handed
For timber profiles

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for the installation of turn handles	Hardware installation	1	6-35524-00-0-1



Milling jig for flush pull and centre-closer

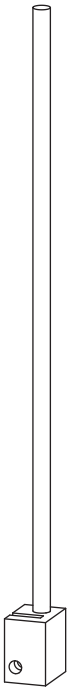
Use according to installation drawing 0-45384

Versions/order numbers

Designation	Application range	PU	Order no.
Milling jig for flush pull/centre-closer	Hardware installation	1	6-35035-00-0-0

Drilling jig

for installation of the L&S handle damper



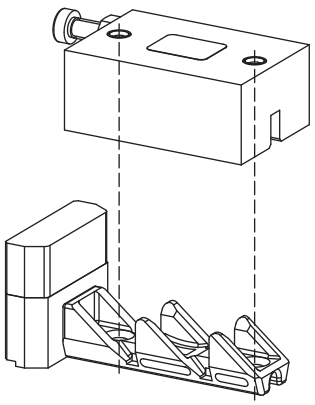
Drilling jig for L&S handle damper

Use according to installation drawing 0-46862

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for L&S handle damper [1]	Hardware installation	1	6-37928-01-0-1

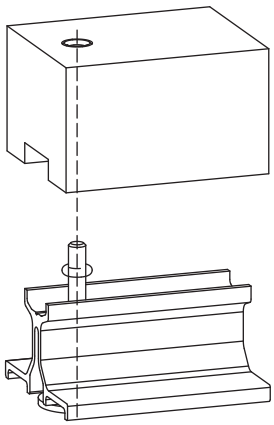
[1] Required for retrofitting on all Lift&Slide gears installed before July 2014.



Drilling jig for the installation of the bottom keeper
Non-handed

Versions/order numbers

Designation	Application range	PU	Order no.
Drilling jig for the installation of the bottom keeper	Hardware installation	1	6-34129-00-0-0



Drilling jig for the installation of the anti-jemmy device
with guide track P 1850
for the bore holes of the sash-side P 1849 guide track

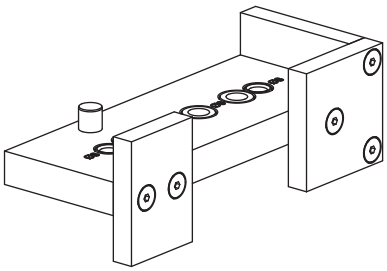
Use according to installation drawing 0-47330

Versions/order numbers

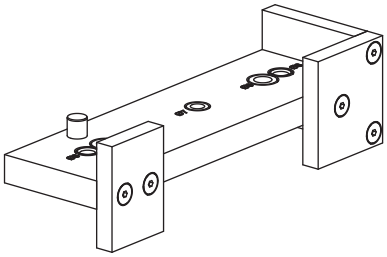
Designation	Application range	PU	Order no.
Drilling jig for the installation of the anti-jemmy device	Hardware installation	1	6-35613-00-0-0

Drilling jigs

for the frame corner connection to the bottom threshold



Drilling jig 6-37324-01



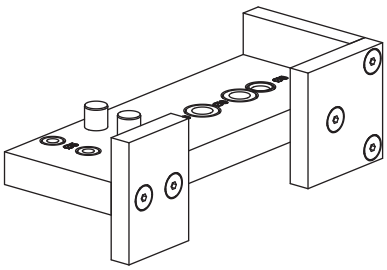
Drilling jig 6-37324-02

Drilling jig for the frame corner connection

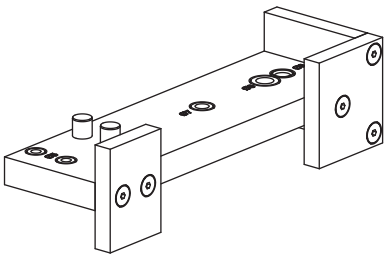
Bore holes for the corner connection to the threshold

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
Drilling jig for frame corner connection	56	56, 68	1	6-37324-01-0-0
	56	78–110	1	6-37324-04-0-0
	63	78–110	1	6-37324-02-0-0



Drilling jig 6-37365-01



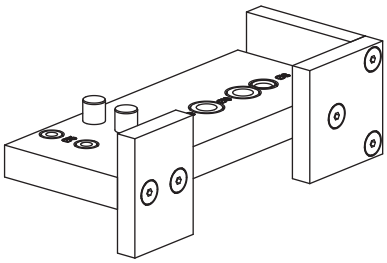
Drilling jig 6-37365-02

Drilling jig for the frame corner connection when installing the L&S night vent module

Bore holes for the corner connection to the threshold for frame widths of 63 mm

Versions/order numbers

Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection when installing the L&S night vent module	GU-thermostep 164	1	6-37365-01-0-0
	GU-thermostep 204	1	6-37365-02-0-0

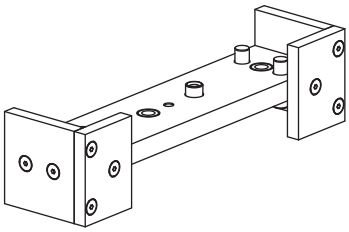


Drilling jig for the frame corner connection when installing the L&S night vent module

Bore holes for the corner connection to the threshold for frame widths of 68 mm

Versions/order numbers

Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection when installing the L&S night vent module	GU-thermostep 164	1	6-37365-03-0-0



Drilling jig for the frame corner connection

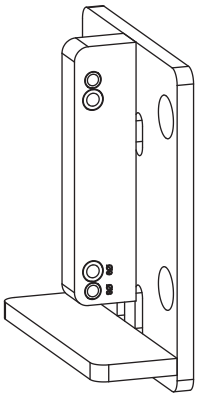
Bore holes for the corner connection to the threshold
Patterns E and L – sash thicknesses 68 and 78 mm

Versions/order numbers

Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection Patterns E and L	GU-thermostep 164	1	6-36086-00-0-0

Drilling jigs

for the frame corner connection to the top door frame

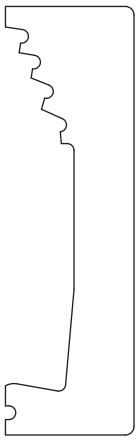


Drilling jig for the frame corner connection

Bore holes for the corner connection to the top door frame

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
Drilling jig for frame corner connection	56	56	1	6-22615-00-0-0
	56	68	1	6-36129-68-0-0
	63	78	1	6-36129-78-0-0
	63	88	1	6-36129-88-0-0
	63	90	1	6-36129-90-0-0
	63	92	1	6-36129-92-0-0
	63	110	1	6-36129-11-0-0
Drilling jig for frame corner connection Patterns E and L	63	68, 78	1	6-36129-01-0-0

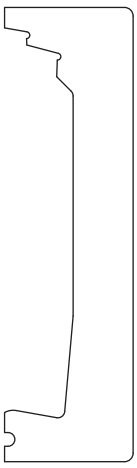


Installation aid GU-thermostep 164

For the installation of the drip rail

Versions/order numbers

Designation	ST [mm]	PU	Order no.
Installation aid for drip rail GU-thermostep 164	56, 68	1	9-40563-00-0-0



Installation aid GU-thermostep 164

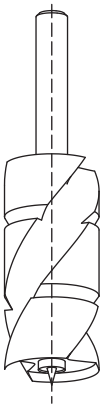
For the installation of the drip rail

Versions/order numbers

Designation	ST [mm]	PU	Order no.
Installation aid for drip rail GU-thermostep 164	78, 88, 90, 92	1	9-46742-00-0-0

Mounting tools

Drill, gasket roller

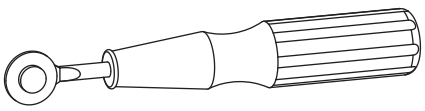


Drill with centring tip for the frame corner connection

Bore holes for the corner connection to the top door frame

Versions/order numbers

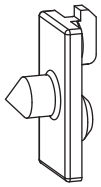
Designation	ST [mm]	PU	Order no.
Drill with centring tip for the door frame corner connection	56, 68, 78, 88, 90, 92, 110	1	9-30161-00-0-0



Gasket roller tool

Versions/order numbers

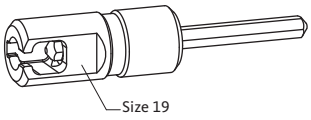
Designation	Application range	PU	Order no.
Gasket roller tool	Hardware installation	1	9-23749-00-0-0



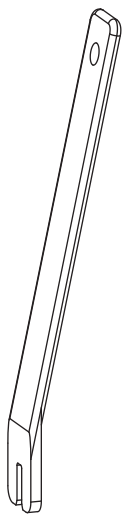
Centre punch for the installation of the frame cams

Versions/order numbers

Designation	For frame cams	Centre punch length [mm]	PU	Order no.
Centre punch for the installation of the frame cams	1, 1/S – pattern A	12 mm	1	9-25082-00-0-0
	2/14 – pattern C	12 mm	1	9-27315-00-0-0
	2/14 – pattern C	31 mm	1	6-33500-00-0-0



Frame cam screw attachment



Wrench

Mounting tools for frame cams

Versions/order numbers

Designation	For frame cams	PU	Order no.
Wrench	1, 1/S	1	9-24896-00-0-1
Frame cam screw attachment for cordless screwdrivers, size 19	1, 1/S	1	6-31858-00-0-1

5.1 Additional kit – accessibility

HS Master motor-driven drive 342
HS ePOWER motor-driven drive 353
Barrier-free threshold 359
Barrier freedom with regard to operation of the handle 364

5.2 Additional kit – comfort

HS LiftUnit 368
HS SpeedLimiter 372
HS SilentClose / HS StopUnit 374
Tension spring 376
L&S handle damper 377
L&S night vent module 378

5.3 Additional kit – design

Lift&Slide elements with panoramic glazing 382
Lift&Slide elements with fixed sidelight 386
Concealed guide track P 1850 394
Lift&Slide turn handles in special design 396

5.4 Additional kit – burglar protection

Electronic security 400
Mechanical security 401

HS Master motor-driven drive

Important notes and range of application

Important notes

- The HS Master can be installed on every Lift&Slide system shown in Chapter 1.0 (in patterns A and C)
- The standard Lift&Slide gear is replaced with the HS Master Lift&Slide gear
- With HS Master, the backset is always 37.5 mm. The sash profile must be dimensioned accordingly
- Due to the crush guard, the passage opening is reduced by 150 mm. The Lift&Slide door stops 150 mm before the door frame at the fixed-glazed sash; if necessary, the door can be opened fully manually
- The drvie case at the rear is 17 mm shorter than the cover profile that is visible from the front and below
- The scope of delivery includes the installation and maintenance manual M.00098.00.0
- The scope of delivery includes the operating manual M.00099.00.0 (pattern A) or M.00139.00.0 (pattern C), which must be passed on to the end customer
- The valid installation drawings must be followed
  – Pattern A = 0-44355
  – Pattern C = 0-44521
- We shall be glad to advise you in the event of any deviations from the general conditions described here. Please feel free to contact your field consultant

Application ranges

HS Master – pattern A

Pattern A	
Min. length of drive [mm]	2050
Max. length of drive [mm]	6700
Sash width [mm]	950 – 3300
Sash height [mm]*	1855 – 2765 [1]
Max. sash weight [kg]	400

HS Master – pattern C – for sash thickness 68 mm [2]

Pattern C	
Min. length of drive [mm]	4100
Max. length of drive [mm]	13410
Sash width [mm]	950 – 3300
Sash height [mm]*	1855 – 2765 [1]
Max. sash weight [kg]	400
Centre-to-centre distance of handles [mm]	155

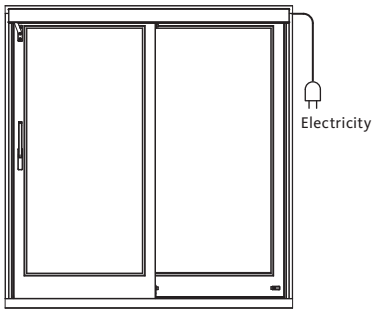
* The sash height depends on which guide track is used and the height of the roller track.
For the dimensions of the various Lift&Slide systems, refer to the corresponding installation drawings.

[1] Sash heights from 2765 mm to 3265 mm can be implemented on request with the cover-rail extension set.

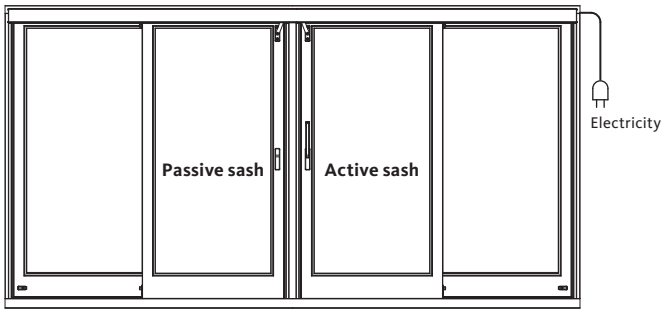
[2] Other sash thicknesses, please request separately.

HS Master motor-driven drive

Ordering specifications



Interior view – pattern A
(illustration shows version with handle on left; right laterally reversed)



Interior view – pattern C
Electricity on active sash side

Ordering specifications

HS Master, pattern A

Length of drive case (LD)		[mm]
Finish of drive case*		
Dimension X (min. 90 mm) see page 344		[mm]
Width of reveal (WR)		[mm]
Sash thickness (ST)		[mm]
Total frame width (TFW)		[mm]
Sash width (SW)		[mm]
Sash height (SH)		[mm]
Sash distance (SD)		[mm]
Handle position (interior view)	☐ left ☐ right	
Remote control	☐ yes ☐ no	
Number of handheld radio transmitters		
Profile details		
Manufacturer		
Profile series		

HS Master, pattern C

Length of drive case (LD)		[mm]
Finish of drive case*		
Handle distance (HD) (min. 155 mm) see page 345		[mm]
Width of reveal (WR)		[mm]
Sash thickness (ST)		[mm]
Total frame width (TFW)		[mm]
Sash width (SW)		[mm]
Sash height (SH)		[mm]
Sash distance (SD)		[mm]
Active sash	☐ right ☐ left	
Remote control	☐ yes ☐ no	
Number of handheld radio transmitters		
Profile details		
Manufacturer		
Profile series		

* Available in the finishes -1 (EV 1 / light grey), -5 (UC 5 / dark bronze) and -7 (white)

HS Master motor-driven drive

Important dimension specifications

The following dimension specifications must be observed and complied with without fail

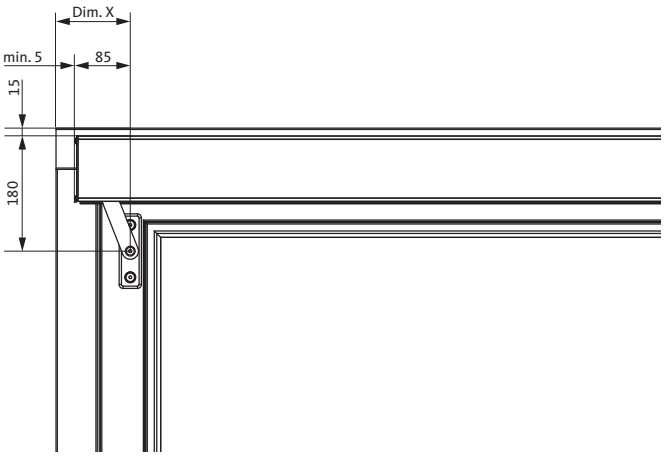
The space requirement for the linkage **is 85 mm** measured from the pivot of the gear to the outer edge of the drive case.

The minimum distance from the drive case to the edge of the plaster **is 5 mm.**

These two dimensions produce **dimension X**, which is necessary for the order.

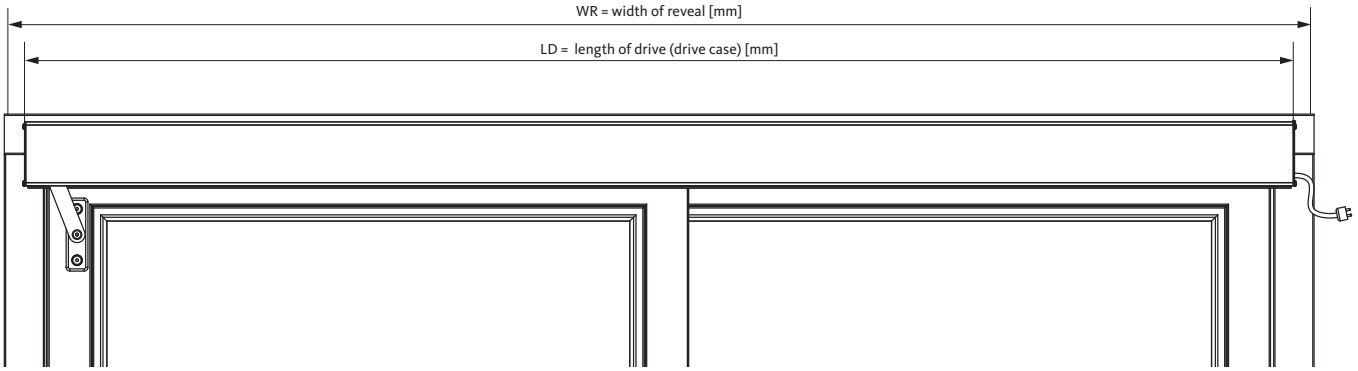
In order to guarantee error-free installation and function, these dimensions must be observed without fail: lower values are not acceptable.

Installation drawing 0-44355



The drvie case at the rear is 17 mm shorter than the cover profile that is visible from the front and below. If dimension X increases because the frame has been widened, the difference between the cover casing and the cover profile will also be greater than 17 mm.

A minimum distance of 5 mm must be measured on both sides between the drive case on the top door frame of the Lift&Slide element and the edge of the plaster of the neighbouring masonry. The dimension between the plaster edges at the sides is specified in the ordering specifications as the width of reveal.

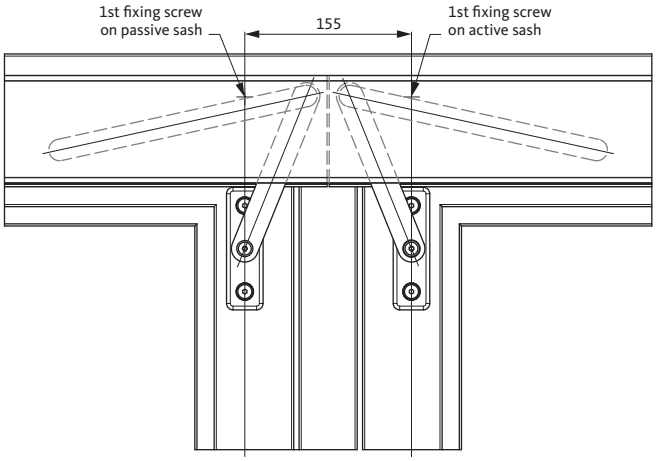


When using the HS Master in Lift&Slide elements in pattern C, the following dimensional specifications must also be observed:

The space requirement for the linkage **is 155 mm** measured between the pivots of the gear. This dimension provides the handle distance (HD), which is necessary for the order.

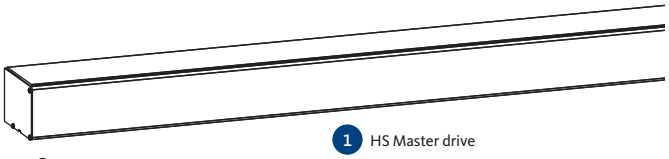
In order to guarantee error-free installation and function, this dimension must be observed without fail: lower values are not acceptable.

Installation drawing 0-44521

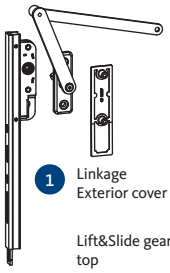


HS Master motor-driven drive

Order information, pattern A



1 HS Master drive



1 Linkage
Exterior cover rosette

Lift&Slide gear,
top

1 HS Master
Lift&Slide gear,
bottom

Rocker switch ‹ ›
to be provided by customer

2 HS Master
handheld radio transmitter, 2-channel

HS Master
handheld radio transmitter, 4-channel
(without illustration)

Order overview

	Description
1	Required components
2	Accessories for new systems and for retrofitting

Step 1: Order your standard hardware set

- **Exception:** The standard Lift&Slide gear is replaced with the HS Master Lift&Slide gear

Standard hardware sets

Pattern A	Standard hardware sets	Order information from page
1	Lift&Slide hardware GU-934 (without Lift&Slide gear)	96
1	Lift&Slide hardware GU-934 Tandem (without Lift&Slide gear)	100
Threshold set:		
1	As desired	112
Guide track set:		
1	As desired	198

Step 2: In addition to the standard hardware set, order the following components:

1 General hardware requirements for pattern A

HS Master drive – standard version [1]

Pattern A	Designation	Description	Finish	PU	Order no.	
					on left	on right
1	HS Master drive	Standard version for – Operation via turn handle / Push & Go function – Operation via rocker switch (provided by customer)	EV 1 / light grey	1	6-32205-98-L-1	6-32205-98-R-1
			UC 5 / dark bronze	1	6-32205-98-L-5	6-32205-98-R-5
			white	1	6-32205-98-L-7	6-32205-98-R-7
Alternative: HS Master drive – radio-controlled version [2]						
1	HS Master drive	as standard version, and also prepared for operation via handheld radio transmitter	EV 1 / light grey	1	6-32654-98-L-1	6-32654-98-R-1
			UC 5 / dark bronze	1	6-32654-98-L-5	6-32654-98-R-5
			white	1	6-32654-98-L-7	6-32654-98-R-7

[1] Manufacture according to ordering specifications – see page 343.
[2] The radio receiver is installed. 1 handheld radio transmitter is included in the scope of delivery; other handheld radio transmitters may be ordered separately as accessories.

HS Master linkage

Pattern A	Designation	Finish	PU	Order no.
1	HS Master linkage	EV 1 / light grey	1	K-16750-00-0-1
		UC 5 / dark bronze	1	K-16750-00-0-5
		white	1	K-16750-00-0-7

Contains: 1 x linkage, 1 x outside cover rosette, fixing material

HS Master Lift&Slide gear

Pattern A	Designation	Finish	PU	Order no.
1	HS Master Lift&Slide gear [1]	EV 1 / light grey	1	K-16748-00-0-1

Contains: 2 x Lift&Slide gear, 1 x connecting rod, 1 x drilling template
[1] Sash heights from 2765 mm to 3265 mm can be implemented on request with the cover-rail extension set.

HS Master cover-rail extension

Pattern A	Designation	Finish	PU	Order no.
1	HS Master cover-rail extension	EV 1 / light grey	1	K-18896-00-0-1

Contains: 1 x cover rail, 1 x connecting rod

HS Master motor-driven drive

Order information, pattern A

2 Accessories for new systems and for retrofitting

HS Master handheld radio transmitter

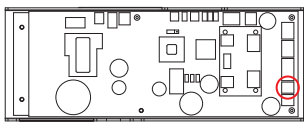
Pattern A	Designation	Description	Finish	PU	Order no.
1	HS Master handheld radio transmitter	2-channel with GU-specific coding, for HS Master drives in radio-controlled version, spare button battery CR 2016, 2 x	grey-blue	1	6-32264-01-0-0
			grey-anthracite	1	6-32264-03-0-0
Alternative: HS Master handheld radio transmitter, 4-channel					
1	HS Master handheld radio transmitter	4-channel	grey-yellow	1	6-33788-00-0-0

HS Master radio receiver card

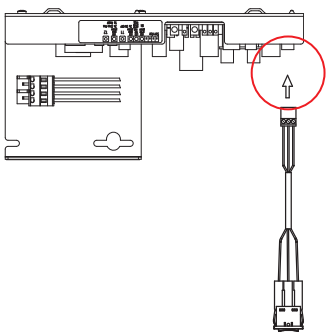
Pattern A	Designation	Finish	PU	Order no.
1	HS Master radio receiver card	–	1	6-32627-00-0-0

HS Master commissioning set / operating sticker

Pattern A	Designation	Finish	PU	Order no.
1	HS Master commissioning set	–	1	6-36125-00-0-0
1	Operating sticker	–	1	9-47818-01-0-0

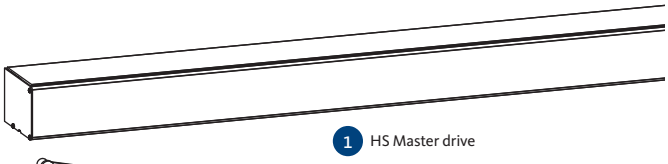


HS Master commissioning set
Plug-in position on inside: slots 4 5 6

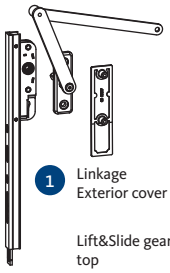


HS Master motor-driven drive

Order information, pattern C



1 HS Master drive



1 Linkage
Exterior cover rosette

Lift&Slide gear,
top

1 HS Master Lift&Slide gear,
bottom

Rocker switch ‹ ›
to be provided by customer

2 HS Master
handheld radio transmitter, 2-channel

HS Master
handheld radio transmitter, 4-channel
(without illustration)

Order overview

	Description
1	Required components
2	Accessories for new systems and for retrofitting

HS Master motor-driven drive

Order information, pattern C

Step 1: Order your standard hardware set

- **Exception:** The standard Lift&Slide gear is replaced with the HS Master Lift&Slide gear

Standard hardware sets		
Pattern C	**Standard hardware sets**	**Order information from page**
Hardware set (choose from the following variants):		
1	Lift&Slide hardware GU-934 (without Lift&Slide gear)	96
1	Lift&Slide hardware GU-934 Tandem (without Lift&Slide gear)	100
Threshold set:		
1	As desired	112
Guide track set:		
1	As desired	198

Step 2: In addition to the standard hardware set, order the following components:

1 General hardware requirements for pattern C (continued on page 351)

HS Master drive – standard version [1]

Pattern C	Designation	Description	Finish	PU	Order no.	
					on left	on right
1	HS Master drive	Standard version for – Operation via turn handle / Push & Go function – Operation via rocker switch (provided by customer)	EV 1 / light grey	1	6-33625-98-L-1	6-33625-98-R-1
			UC 5 / dark bronze	1	6-33625-98-L-5	6-33625-98-R-5
			white	1	6-33625-98-L-7	6-33625-98-R-7
Alternative: HS Master drive – radio-controlled version [2]						
1	HS Master drive	as standard version, and also prepared for operation via handheld radio transmitter	EV 1 / light grey	1	6-33626-98-L-1	6-33626-98-R-1
			UC 5 / dark bronze	1	6-33626-98-L-5	6-33626-98-R-5
			white	1	6-33626-98-L-7	6-33626-98-R-7

[1] Manufacture according to ordering specifications – see page 343.
[2] The radio receiver is installed. 1 handheld radio transmitter is included in the scope of delivery; other handheld radio transmitters may be ordered separately as accessories.

HS Master linkage

Pattern C	Designation	Finish	PU	Order no.
1	HS Master linkage	EV 1 / light grey	1	K-16750-00-0-1
		UC 5 / dark bronze	1	K-16750-00-0-5
		white	1	K-16750-00-0-7

Contains: 1 x linkage, 1 x outside cover rosette, fixing material

HS Master Lift&Slide gear

Pattern C	Designation	Finish	PU	Order no.
1	HS Master Lift&Slide gear [1]	EV 1 / light grey	1	K-16748-00-0-1

Contains: 2 x Lift&Slide gear, 1 x connecting rod, 1 x drilling template
[1] Sash heights from 2765 mm to 3265 mm can be implemented on request with the cover-rail extension set.

HS Master cover-rail extension

Pattern C	Designation	Finish	PU	Order no.
1	HS Master cover-rail extension	EV 1 / light grey	1	K-18896-00-0-1

Contains: 1 x cover rail, 1 x connecting rod

HS Master accessories, pattern C – for sash thicknesses up to 68 mm [1]

Pattern C	Designation	Finish	PU	Order no.
1	HS Master accessories P 1786, pattern C	black	1	K-17194-00-0-6
		white	1	K-17194-00-0-7
1	HS Master accessories P 1850, pattern C	on request		

[1] An additional support plate is required for sash thicknesses > 68 mm.

Support plates for sash thicknesses > 68 mm

Pattern C	Designation	ST [mm]	Finish	PU	Order no.
1	Support plate	up to 78 mm	black	1	9-43493-02-0-6
			white	1	9-43493-02-0-7
		> 78 mm	on request		

HS Master motor-driven drive

Order information, pattern C

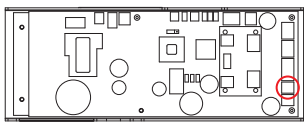
2 Accessories for new systems and for retrofitting

HS Master handheld radio transmitter

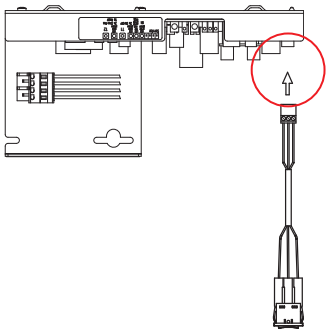
Pattern A	Designation	Description	Finish	PU	Order no.
1	HS Master handheld radio transmitter	2-channel with GU-specific coding, for HS Master drives in radio-controlled version, spare button battery CR 2016, 2 x	grey-blue	1	6-32264-01-0-0
			grey-anthracite	1	6-32264-03-0-0
Alternative: HS Master handheld radio transmitter, 4-channel					
1	HS Master handheld radio transmitter	4-channel	grey-yellow	1	6-33788-00-0-0

HS Master commissioning set / operating sticker

Pattern A	Designation	Finish	PU	Order no.
1	HS Master commissioning set	–	1	6-36125-00-0-0
1	Operating sticker	–	1	9-47818-01-0-0



HS Master commissioning set
Plug-in position on inside: slots 4 5 6



Order notes:

- The HS ePOWER can be installed in any Lift&Slide system
  - with bogie GU-934
  - with sash thicknesses from 78 mm
  - with roller track 5 mm
  - with sash weights up to 400 kg
  - pattern A with sliding sashes on the inside
- The HS ePOWER can be combined with every threshold from page 224
- Pre-assembled, plug-in modules allow the assembly to be carried out quickly, easily and safely according to the plug-and-play principle and the door can be commissioned immediately
- Current transmission without cables via tappet contacts from frame to sash
- Control by means of operating element on Lift&Slide sash
- Optional extensions:
  - Locking monitoring set
  - Radio remote control
  - Status request can be triggered via Smartphone or Somfy
- The valid installation drawing 0-47622 must be followed

Technical documentation

Documentation	
Designation	**Document no.**
Installation drawing	0-47622
Installation instructions HS ePOWER	0-47612
Commissioning instructions HS ePOWER	0-47613
Operating instructions HS ePower	0-47614
Brief commissioning instructions HS ePOWER	0-48062
Instructions for handheld radio transmitter (B-55281-02-0-9)	contained in the scope of delivery
Instructions for radio transmitter (B-55281-05-1-9)	contained in the scope of delivery
Instructions for radio receiver (B-55280-03-0-6)	contained in the scope of delivery

Application ranges

SW [kg]	SW min. [mm]	Passage width [mm] with SW min.	SW max. [mm]	SH [mm]	ST min. [mm]
up to 200	1100	766 [1]	3300 mm	1996 – 3088	78 [2]
201 to 350	1600	1266	3300 mm	1996 – 3088	
351 to 400	2100	1766	3300 mm	1996 – 3088	

[1] For barrier-free access, the sash width must be at least 1235 mm to guarantee a passage width of 900 mm.
[2] The profile cross-sections specified by GU must be complied with. For more details, see installation drawing 0-47622, sheet 4.
The sash height must not be more than 2.5 times the sash width.

HS Master motor-driven drive

Modular system

HS ePOWER module

Simply select and configure the components from the modular system, based on the sash weight.

You require the following sets:

1. "Slide components" set
2. "Lift components" set
4. "Electronic components" set

which contain all the required components and accessory parts. An additional lifting drive 3 is required for sash weights greater than 201 kg, everything else remains the same.

The colour codes and numbers are on the packaging, which makes it very easy for you to assign the components.

Slide components

Set	Contents		200 kg	300 kg	400 kg
	"Slide components" set		1x	1x	1x
	9	Slide drive and accessories			

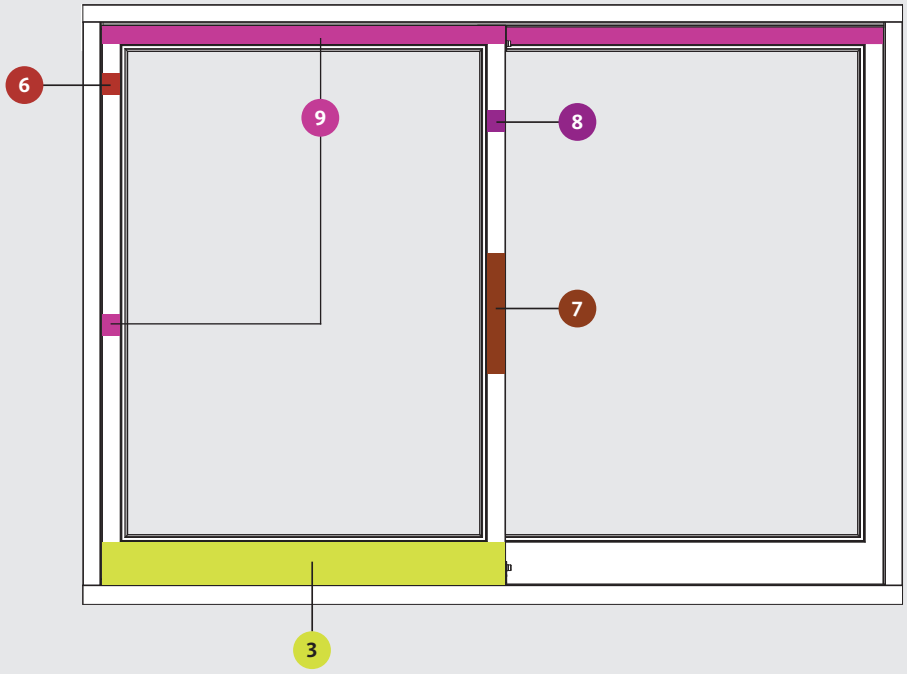
Lift components

Set	Contents		200 kg	300 kg	400 kg
	"Lift components" set		1x	1x	1x
	3	Lifting drive		1 x additional	1 x additional
	7	Batteries			

Electronic components

Set	Contents		200 kg	300 kg	400 kg
	"Electronic components" set		1x	1x	1x
	5	Cable set			
	8	Control unit			
	6	Mains adaptor / power supply unit			

Positions of components



HS Master motor-driven drive

Order information, pattern A

Order information

Step 1: Order your standard hardware set

- **Exception:** the standard Lift&Slide gear is replaced with the HS ePOWER Lift&Slide gear

Standard hardware sets

Pattern A	Standard hardware sets	SW [kg]	Order information from page
Hardware set (choose one of the following variants, depending on the sash weight):			
1	Lift&Slide hardware GU-934 (without Lift&Slide gear)	up to 350	96
1	Lift&Slide hardware GU-934 Tandem (without Lift&Slide gear)	351 – 400	100
Threshold set:			
1	As desired		112

Step 2: In addition to the standard hardware set, order the following components:

HS ePOWER packers for L&S bogie GU-934

Pattern A	Designation	SW [kg]	Finish	PU	Order no.
1	HS ePOWER packers for L&S bogie GU-934	200 – 400	EV 1 / light grey	1	K-19542-05-0-1
Contains: 4 x packers (front/rear bogie), 1 x corner sealing channel					
1	HS ePOWER packers for L&S tandem bogie GU-934	301 – 400	EV 1 / light grey	1	K-19543-08-0-1
Contains: 4 x packers (rear bogie)					

HS ePOWER Lift&Slide gear, 37.5 mm backset

Pattern A	Designation	SH [mm]	Handle height [mm]	Finish	PU	Order no.
1	HS ePOWER Lift&Slide gear 37.5 mm backset	2215.5 – 2688	1000	EV 1 / light grey	1	6-38822-24-0-1
				UC 5 / dark bronze	1	6-38822-24-0-5
		2465.5 – 3088	1000	EV 1 / light grey	1	6-38822-28-0-1
				UC 5 / dark bronze	1	6-38822-28-0-5
		1996 – 2688	1000	EV 1 / light grey	1	6-38822-44-0-1
				UC 5 / dark bronze	1	6-38822-44-0-5

HS ePOWER slide drive/accessories

Pattern A	Designation	Modular system no.	Finish	PU	Order no.
1	HS ePOWER slide drive and accessories	1 9	EV 1 / light grey	1	K-19495-00-0-1
Contains: 1 x slide drive and accessories set, 1 x magnet set, 1 x cable routing set, 1 x toothed belt, 1 x service handle, 1 x HS cover, documentation					

HS ePOWER lifting drive and batteries

Pattern A	Designation	SW [kg]	Modular system no.	Finish	PU	Order no.
1	HS ePOWER lifting drive and batteries	200 – 400	2 7	EV 1 / light grey	1	K-19288-00-0-1
Contains: 1 x lifting drive set, 1 x set of batteries						
1	HS ePOWER lifting drive	301 – 400	3	EV 1 / light grey	1	K-19186-00-0-1
Contains: 1 x lifting drive (complete), 1 x set of set screws						

HS ePOWER control unit

Pattern A	Designation	Modular system no.	Finish	PU	Order no.
1	HS ePOWER control unit	4 5 6 8	–	1	K-19287-00-0-8

Contains: 1 x set of control components, 1 x wiring harness set, 1 x power supply unit net

HS ePOWER guide track P 2135

Pattern A	Designation	TFW [mm]	Finish	PU	Order no.
1	HS ePOWER guide track P 2135	4000	EV 1 / light grey	1	K-19496-40-0-1
			black	1	K-19496-40-0-6
		6700	EV 1 / light grey	1	K-19496-67-0-1
			black	1	K-19496-67-0-6

Contains: 1 x guide track (frame) P 1850, 1 x guide track (sash), 3 x gasket profile

HS ePOWER accessories for guide P 2135 – 5 mm roller track

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER accessories for guide P 2135 – 5 mm roller track	EV 1 / light grey	1	K-19497-05-0-1
		black	1	K-19497-05-0-6

Contains: 1 x guide track, 2 x filler piece (top/bottom), 2 x guide, 2 x rubber seal, 1 x PC screw-hole cover cap

Reinforcement profile/reinforcement rail

Pattern A	Designation	Length [mm]	Finish	PU	Order no.
1	Reinforcement profile P2136	2000	–	1	P-02136-20-0-0
		3300	–	1	P-02136-33-0-0
1	Reinforcement rail for meeting stile P 2137	2500	–	1	9-50450-25-0-0
		3300	–	1	9-50450-33-0-0

Bridging gasket

Pattern A	Designation	Finish	PU	Order no.
1	Bridging gasket, top [1]	–	1	6-22154-46-0-0

[1] Deviations possible depending on the profile. You can find the right bridging gasket for your profile system on page 326.

HS ePOWER cover DIRIGENT

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER cover DIRIGENT	EV 1 / light grey	1	9-49936-01-0-1
		white	1	9-49936-01-0-7

Alternative: HS ePOWER cover RONDO

Pattern A	Designation	GU logo	Finish	PU	Order no.
1	HS ePOWER cover RONDO	yes	white	1	K-19335-01-0-7
			stainless steel	1	K-19335-01-0-8
		no	white	1	K-19335-11-0-7
			stainless steel	1	K-19335-11-0-8

Contains: 1 x HS ePOWER cover RONDO, 2 x spacer

HS Master motor-driven drive

Order information, pattern A

Accessories

Radio transmitter / radio receiver

Pattern A	Designation	Finish	PU	Order no.
1	Radio transmitter, 4 buttons	–	1	B-55281-02-0-9
1	Radio transmitter, 2 in-wall inputs, DEADMAN	–	1	B-55281-05-1-9
1	Radio receiver, 2 outputs, DEADMAN	–	1	B-55280-03-0-6

HS ePOWER installation kit

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER installation kit	–	1	K-19777-00-0-1
Contains: 1 x set of open-ended spanners, 1 x charger set				

HS ePOWER drilling templates

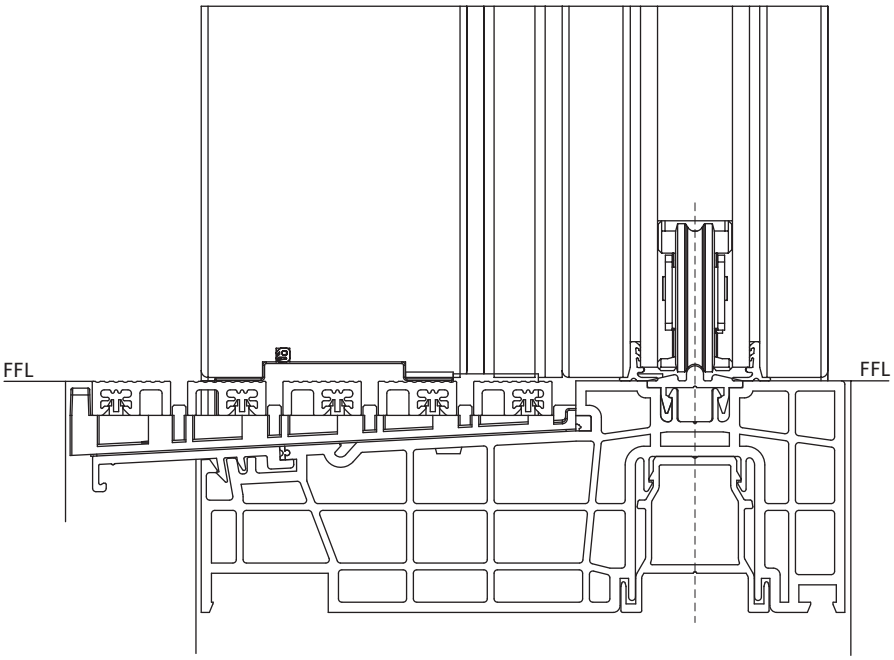
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER drilling templates	–	1	K-19843-00-0-1
Contains: 2 x drilling template				

Barrier-free threshold

Flush versions for GU-thermostep 204 / GU-thermostep 164

Order notes:

- The flush threshold can be installed on every Lift&Slide system shown in Chapter 1.0 (patterns A, C, G, K)
- A tread threshold is not required. Drip rail and roller track (4 mm) must be ordered separately
- Supporting bridges and support profiles must also be ordered, depending on the profile system
- The neutral installation drawing 0-48549 must be followed
- The existing threshold designs remain unchanged
- Gaskets and structural connections of the threshold remain unchanged
- Simple and easy installation



Barrier-free threshold

Hardware requirements for all profile systems

General hardware requirements for all profile systems

Roller track bb

Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
1	1	P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
			4000	EV 1 / light grey	1	P-02209-40-0-1
			5000	EV 1 / light grey	1	P-02209-50-0-1
			6700	EV 1 / light grey	1	P-02209-67-0-1

Installation aid for supporting bridge

Pattern		Designation	Finish	PU	Order no.
A	C				
1	1	Installation aid for supporting bridge	–	1	9-51495-00-0-0

Profile-specific hardware requirements for sash thickness 68 mm, sash distance 28 mm

Installation drawing 0-45647 (with guide track P 1786)

Installation drawing 0-47494 (with guide track P 1850)

L&S supporting bridge bb for passage area

Pattern A	Pattern C	Designation	Finish	PU	Order no.
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19909-01-0-1
			EV 1 / light grey	100	K-19909-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19921-01-0-1
			EV 1 / light grey	100	K-19921-10-0-1

SBS support profile bb for passage and fixed-glazed sash

Pattern A	Pattern C	Designation	Length [mm]	Finish	PU	Order no.
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02176-12-0-1
			2000	EV 1 / light grey	1	P-02176-20-0-1
			6000	EV 1 / light grey	1	P-02176-60-0-1

Profile-specific hardware requirements for sash thickness 78 mm, sash distance 28 mm

Installation drawing 0-45758 (with guide track P 1786)

Installation drawing 0-47495 (with guide track P 1850)

L&S supporting bridge bb for passage area

Pattern A	Pattern C	Designation	Finish	PU	Order no.
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19910-01-0-1
			EV 1 / light grey	100	K-19910-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19922-01-0-1
			EV 1 / light grey	100	K-19922-10-0-1

SBS support profile bb for passage and fixed-glazed sash

Pattern A	Pattern C	Designation	Length [mm]	Finish	PU	Order no.
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02177-12-0-1
			2000	EV 1 / light grey	1	P-02177-20-0-1
			6000	EV 1 / light grey	1	P-02177-60-0-1

Barrier-free threshold

Profile-specific hardware requirements for GU-thermostep 164

Profile-specific hardware requirements for sash thickness 88 mm, sash distance 28 mm

Installation drawing 0-45557 (with guide track P 1786)

Installation drawing 0-47330 (with guide track P 1850)

L&S supporting bridge bb for passage area

Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19912-01-0-1
			EV 1 / light grey	100	K-19912-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19923-01-0-1
			EV 1 / light grey	100	K-19923-10-0-1

SBS support profile bb for passage and fixed-glazed sash

Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

Profile-specific hardware requirements for sash thickness 78 mm, sash distance 28 mm

Installation drawing 0-46617 (with guide track P 1786)

Installation drawing 0-47495 (with guide track P 1850)

L&S supporting bridge bb for passage area

Pattern A	Pattern C	Designation	Finish	PU	Order no.
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19911-01-0-1
			EV 1 / light grey	100	K-19911-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19922-01-0-1
			EV 1 / light grey	100	K-19922-10-0-1

SBS support profile bb for passage and fixed-glazed sash

Pattern A	Pattern C	Designation	Length [mm]	Finish	PU	Order no.
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

Profile-specific hardware requirements for sash thickness 88 mm, sash distance 28 mm

Installation drawing 0-46618 (with guide track P 1786)

Installation drawing 0-47330 (with guide track P 1850)

L&S supporting bridge bb for passage area

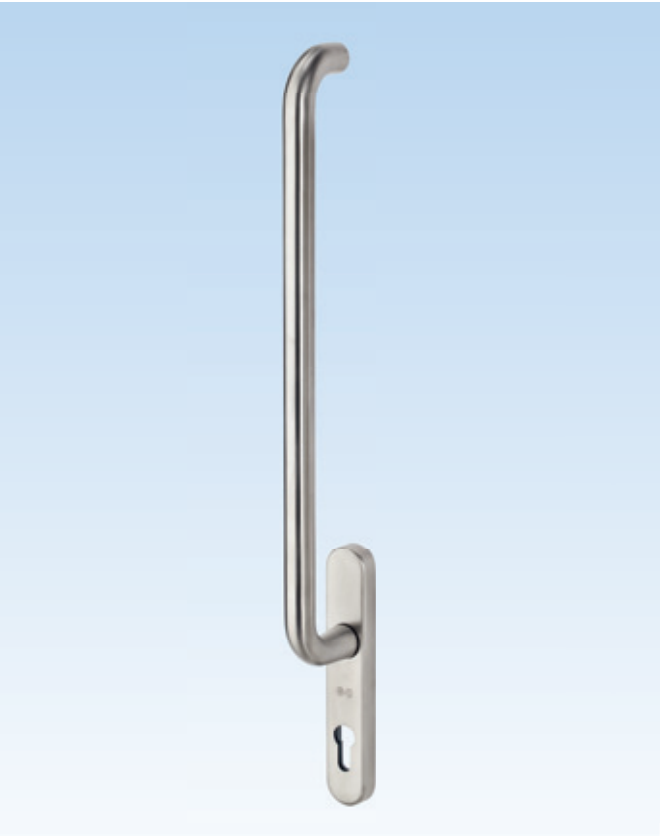
Pattern A	Pattern C	Designation	Finish	PU	Order no.
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19912-01-0-1
			EV 1 / light grey	100	K-19912-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19923-01-0-1
			EV 1 / light grey	100	K-19923-10-0-1

SBS support profile bb for passage and fixed-glazed sash

Pattern A	Pattern C	Designation	Length [mm]	Finish	PU	Order no.
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

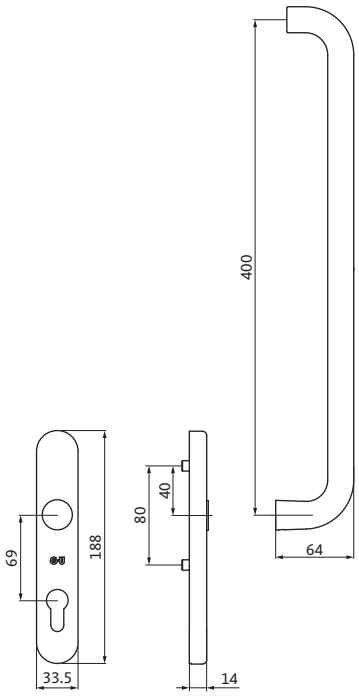
Barrier freedom with regard to operation of the handle

Extended handle – RONDO series – interior turn handle with PC-hole



Product information

- High-quality stainless steel handle with PC-hole, interior
- Handle length 400 mm
- Handle height 78 mm
- With 10 mm square spindle and 80 mm distance between screw centres
- Square spindle adjustable
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 110 mm



Suitable for barrier-free construction in accordance with DIN 18040

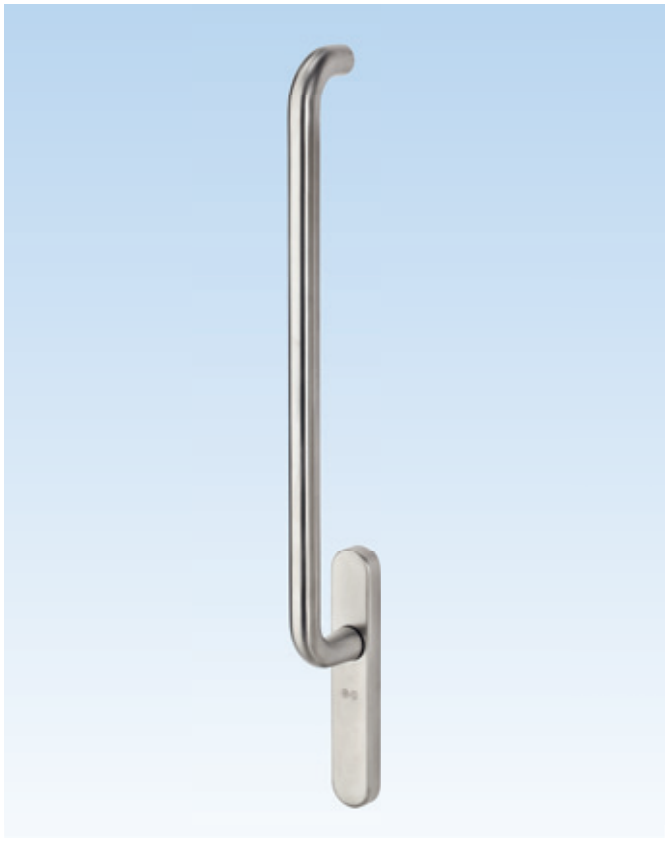
The operating force for raising the sliding sash can be reduced by up to 50% due to the extended turn handle.

DIN 18040

You can find ordering information on the individual handle variants in Chapter 6.0 "Turn handles and accessories" on pages 428 – 429.

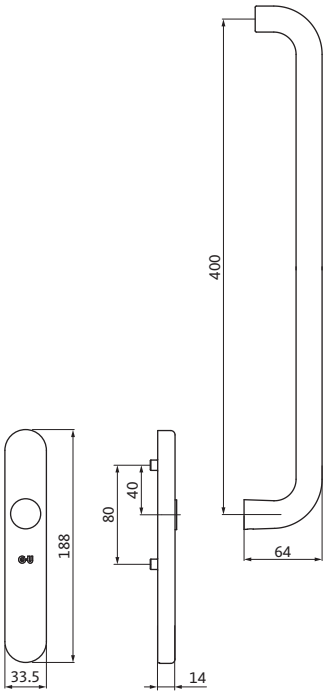
Barrier freedom with regard to operation of the handle

Extended handle – RONDO series – interior turn handle without PC-hole



Product information

- High-quality stainless steel turn handle without PC hole
- Handle length 400 mm
- Handle height 78 mm
- With 10 mm square spindle and 80 mm distance between screw centres
- Square spindle adjustable
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 110 mm



Suitable for barrier-free construction in accordance with DIN 18040

The operating force for raising the sliding sash can be reduced by up to 50% due to the extended turn handle.

You can find ordering information on the individual handle variants in Chapter 6.0 "Turn handles and accessories" on pages 430 – 431.

Barrier freedom with regard to operation of the handle

Lift&Slide gear with profile cylinder – handle height 850 mm and handle height variable

Advice:

The specifications for the range of applications (sash heights) and the handle height are general and may deviate minimally depending on the roller track height and the used profile system. The system-related dimensions can be found in the profile system drawings.

Special size -98-

The size -98- specified in the table is a special size that is fabricated with the handle height at the customer's request.

The application range depends on the basic size of the drive-gear that is used for the fabrication (sizes -19- to -44-).

Please request prices and delivery times in individual cases.

Installation drawing 0-44186

Lift&Slide gear – 37.5 mm backset – lockable, with profile cylinder

Backset [mm]	SH [mm]	Handle height [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard			
37.5	1840 – 2340	850	2	■		■		1	6-30021-20-0-1
					■	■		1	6-30021-20-0-5
	up to 2740	min. 400	2 + 1 optional	■		■		1	6-30021-98-0-1

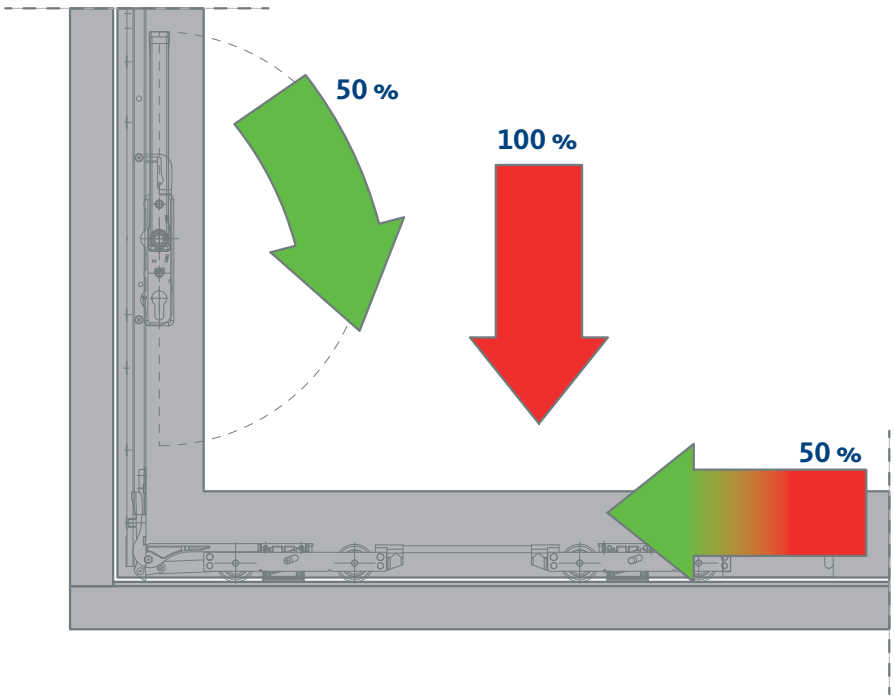
Lift&Slide gear – 27.5 mm backset – lockable, with profile cylinder

Backset [mm]	SH [mm]	Handle height [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard			
27.5	1840 – 2340	850	2	■		■		1	6-30019-20-0-1
	up to 2740	min. 400	2 + 1 optional	■		■		1	6-30019-98-0-1

HS LiftUnit

Important notes and range of application

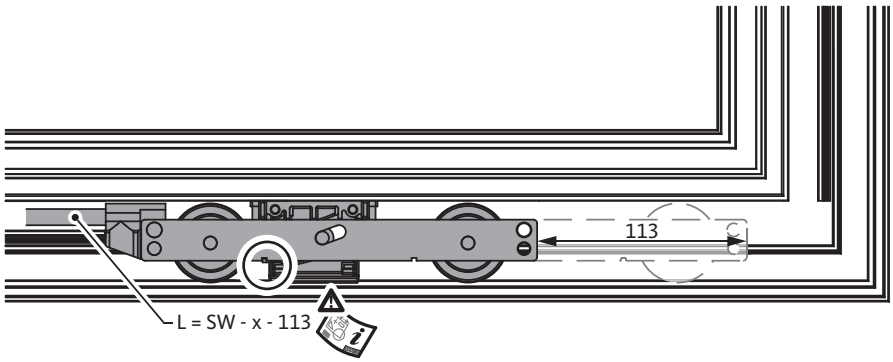
Functional principle



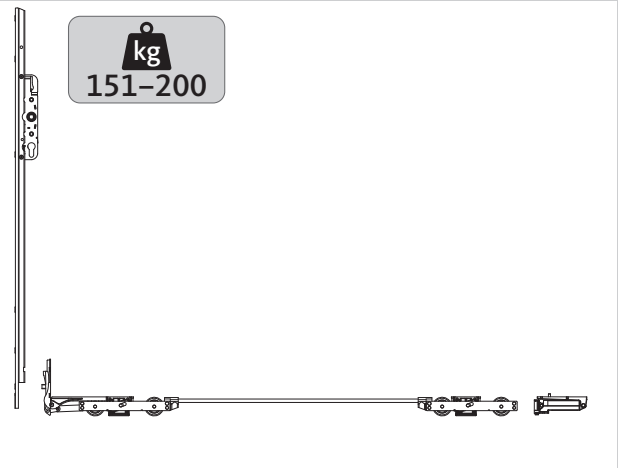
Thanks to the HS LiftUnit, operation of the Lift&Slide door is comfortable and simple, as the operating forces have been noticeably reduced

Note:

- The HS LiftUnit can be installed in any Lift&Slide system
  – with bogie GU-934
  – with hardware groove of min. 22 mm
- Suitable for all customary sash arrangement patterns
- Delivery includes installation instructions 0-48605

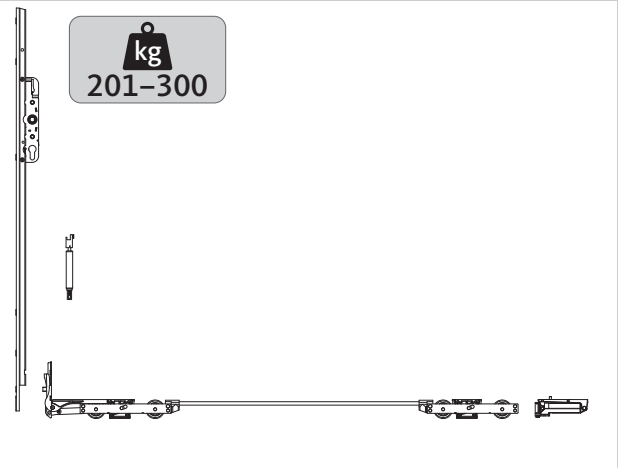


The rear bogie's position is moved towards the sash centre by 113 mm



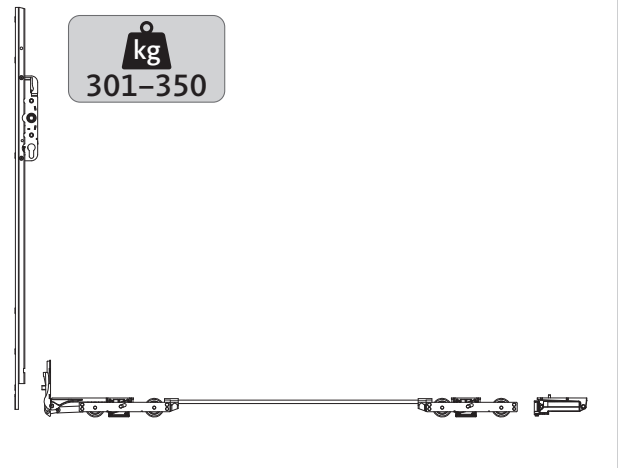
Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit Standard



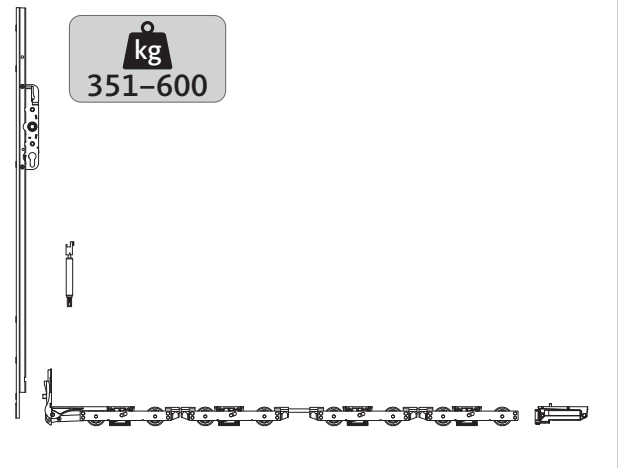
Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit Standard



Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit Heavy



Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-934
- 1 x L&S tandem bogie GU-934
- 1 x HS LiftUnit Heavy

The standard application range for the GU-934 bogie remains the same (bogie GU-934 up to 350 kg / bogie GU-934 Tandem up to 400 kg).

Sash weights exceeding 400 kg are only possible when using the HS LiftUnit.

Therefore please pay attention to the GU installation instructions as well as to the processing guidelines of the system provider.

HS LiftUnit

Order information

Application range 151–200 kg

Hardware requirements			
Designation	**Finish**	**PU**	**Order no.**
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
HS LiftUnit Standard	EV 1 / light grey	1	K-19877-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 210–212.

Application range 201–300 kg

Hardware requirements			
Designation	**Finish**	**PU**	**Order no.**
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
L&S handle damper	black	1	K-19053-00-0-6
HS LiftUnit Standard	EV 1 / light grey	1	K-19877-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 210–212.

Application range 301–350 kg

Hardware requirements			
Designation	**Finish**	**PU**	**Order no.**
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
HS LiftUnit Heavy	EV 1 / light grey	1	K-19877-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 210–212.

Application range 351–600 kg

Hardware requirements			
Designation	**Finish**	**PU**	**Order no.**
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
L&S tandem bogie GU-934	ferGUard	1	K-17804-01-0-1
	faceGUard	1	K-17804-01-0-18
L&S handle damper	black	1	K-19053-00-0-6
HS LiftUnit Heavy	EV 1 / light grey	1	K-19877-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 210–212.

HS SpeedLimiter

Benefits and application ranges

Benefits

- The HS SpeedLimiter prevents the sliding sash from accelerating to avoid
  - personal injury
  - damage to the structure
- Unrestricted ease of operation
- Simple installation; retrofittable
- Ideally suited for installation in public buildings such as, e.g. schools
- Suitable for elements of timber, PVC, and aluminium

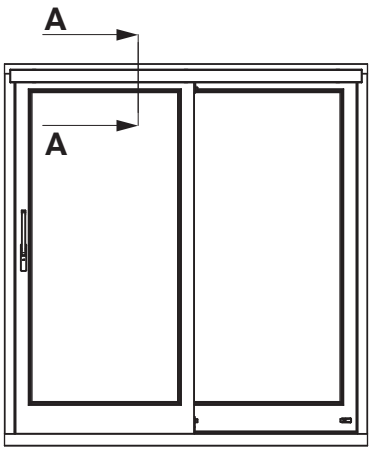
Installation drawing 0-44550

Sticker with operating instructions 9-50594-00-0-1 to be ordered separately.

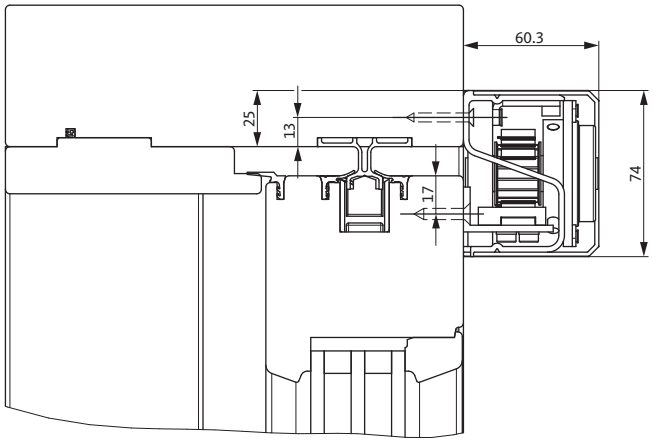
Application ranges

HS SpeedLimiter	
Sliding speed [m/s]	0.2
Sash width [mm]	max. 3300 [1] [2]
Sash height [mm]	max. 2765 [1] [2]
Sash weight [kg]	max. 400 [1]
Sash configurations	Pattern A and C

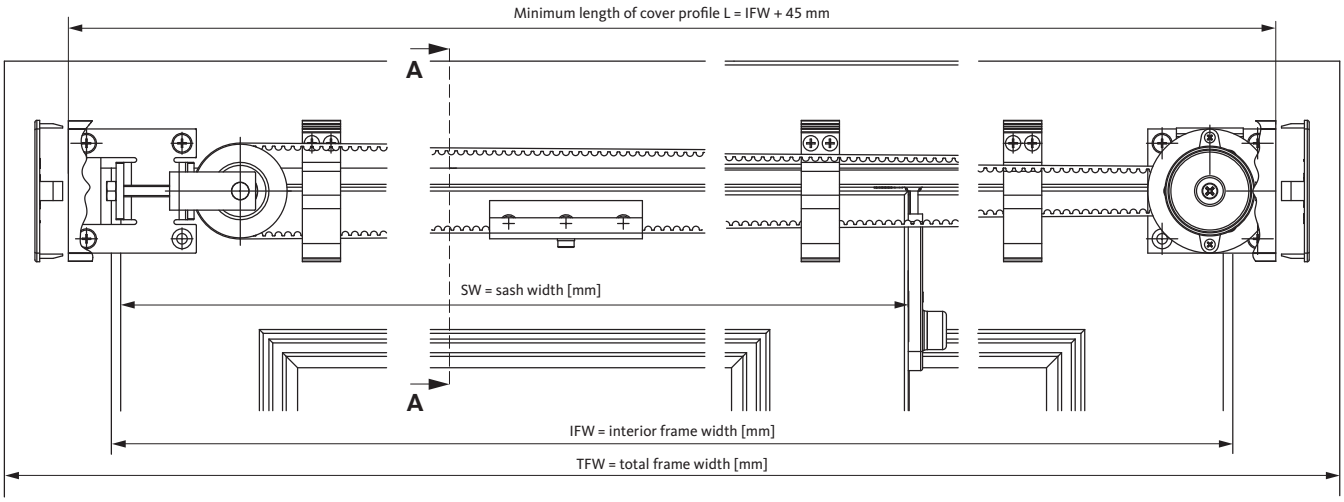
[1] Coordinated with Lift&Slide hardware GU-934.
[2] Coordinated with Lift&Slide hardware GU-937.
Note: the HS SpeedLimiter complies with the maximum sliding speed of 0.2 m/s stipulated in the German accident prevention regulations and in the VHBH directive.



Interior view – pattern A



Section A – A



Hardware requirements depending on sash size for pattern A and C

HS SpeedLimiter basic hardware set

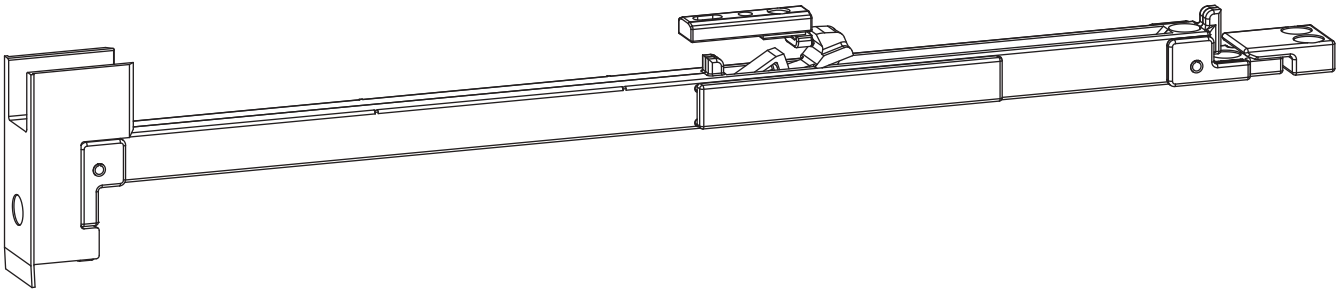
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	HS SpeedLimiter basic hardware set	EV 1 / light grey	1	K-17179-20-0-1

Set of profiles for HS SpeedLimiter

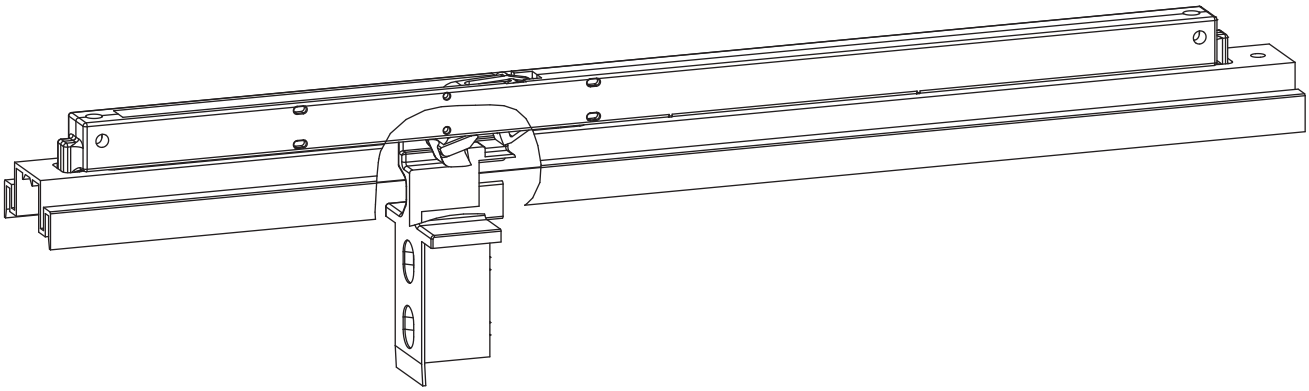
Pattern		SW [mm]	TFW [mm]	Finish	PU	Order no.
A	C					
1	–	– 1950	– 4000	EV 1 / light grey	1	K-17180-40-0-1
1	–	1951 – 3300	4001 – 6700	EV 1 / light grey	1	K-17180-67-0-1
–	1	– 1450	– 6700	EV 1 / light grey	1	K-17180-67-0-1
–	2	1451 – 1950	6701 – 8000	EV 1 / light grey	1	K-17180-40-0-1
–	2	1951 – 3300	8001 – 13400	EV 1 / light grey	1	K-17180-67-0-1

HS SilentClose and HS StopUnit damping units

Order information



HS SilentClose / HS StopUnit for timber elements with guide track P 1786
Installation instructions 0-47643 / installation drawing 0-47746



HS SilentClose / HS StopUnit for timber elements with guide track P 1850
Installation instructions 0-47662 / installation drawing 0-47747

Note:

The HS SilentClose and HS StopUnit damping units are not designed as safety components to protect people.
They both provide just convenience.

The HS SilentClose and HS StopUnit damping units cannot always be used in the open position direction due to different profile systems.

Due to the profile-specific sealing systems, the closing force of the HS SilentClose may not be sufficient to move the L&S sash completely into the closed position.

Using the HS StopUnit does not increase the operating force. Depending on the damping unit design, the HS SilentClose slightly increases the operating force because the damping unit must be pretensioned in order to move the L&S sash to the end position.

HS SilentClose damping unit

For even safer operation of sashes weighing up to 200 kg and up to 400 kg

HS SilentClose damping unit gently brakes the L&S sash as it travels to the open and closed position and moves it to the corresponding end position. Concealed installation.

Up to two damping units can be used per sliding sash (open and closed position). The HS StopUnit damping unit and the HS SilentClose damping unit can be combined. Opening and closing can be controlled separately via both products.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
HS SilentClose damping unit	up to 200	1	K-19463-01-0-6
	up to 400	1	K-19463-00-0-6

HS StopUnit damping unit

For even safer operation of sashes weighing up to 200 kg and up to 400 kg

The HS StopUnit damping unit gently brakes the L&S sash as it travels to the open and closed position. The L&S sash must be consciously moved to the corresponding end position. Concealed installation.

Up to two damping units can be used per sliding sash (open and closed position). The HS StopUnit damping unit and the HS SilentClose damping unit can be combined. Opening and closing can be controlled separately via both products.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
HS StopUnit damping unit	up to 200	1	K-19955-01-0-6
	up to 400	1	K-19955-00-0-6

Accessories for HS SilentClose and HS StopUnit

- Depending on which guide track is used

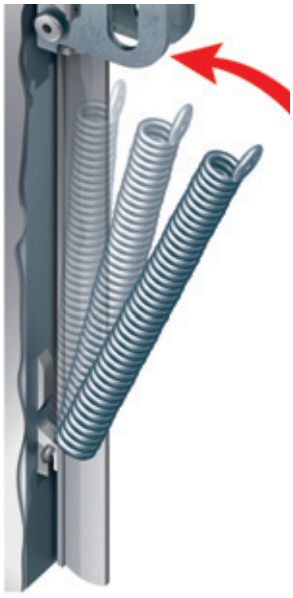
Versions/Order numbers

Guide track P 1786 | Pattern A			
Installation position	**Finish**	**PU**	**Order no.**
Handle side, closed position	light grey	1	K-19450-00-0-1
	black	1	K-19450-00-0-6
Meeting stile side, open position 5 mm roller track	light grey	1	K-19451-05-0-1
	black	1	K-19451-05-0-6
Meeting stile side, open position 10 mm roller track	light grey	1	K-19451-10-0-1
	black	1	K-19451-10-0-6
Guide track P 1850 | Pattern A			
Handle side, closed position	light grey	1	K-19490-00-0-1
	black	1	K-19490-00-0-6
Guide track P 1850 | Pattern C [1]			
	light grey	1	K-19908-00-0-1
	black	1	K-19908-00-0-6

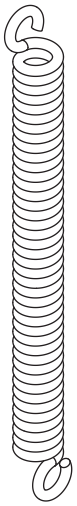
[1] Set K-19908 includes the accessories for 2 damping units.

Tension spring

for Lift&Slide gears



Installation drawing 0-46862



Tension spring for Lift&Slide gears

To reduce the operating force of sashes weighing over 200 kg.

Thanks to the use of tension springs in Lift&Slide gears, the operational force at the turn handle is significantly reduced for the user, greatly increasing operating convenience. This makes the Lift&Slide door easy to operate, especially with high sash weights up to 400 kg.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
Tension spring	from 200	1	9-40235-05-0-0

L&S handle damper

for Lift&Slide gears

Installation drawing 0-46862

L&S handle damper for Lift&Slide gears

For even safer operation of sashes weighing more than 100 kg.

The L&S handle damper in Lift&Slide gears ensures controlled lowering of the sliding sash and prevents the turn handle from recoiling. The L&S handle damper can also be retrofitted quickly and easily in every standard gear.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
L&S handle damper	from 100	1	K-19053-00-0-6

Installation drawing 0-46862

Drilling jig for L&S handle damper

Versions/order numbers

Designation	PU	Order no.
Drilling jig for L&S handle damper [1]	1	6-37928-01-0-1
[1] Required for retrofitting on all Lift&Slide gears installed before July 2014.		

L&S night vent module – pattern A

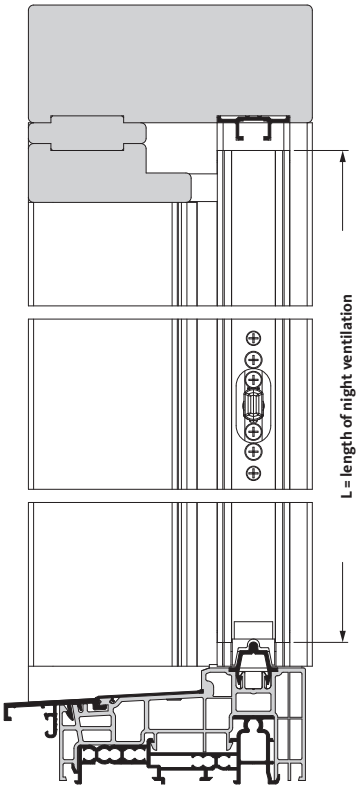
with insect screen, RC 2-tested – important notes and ranges of application

Application ranges

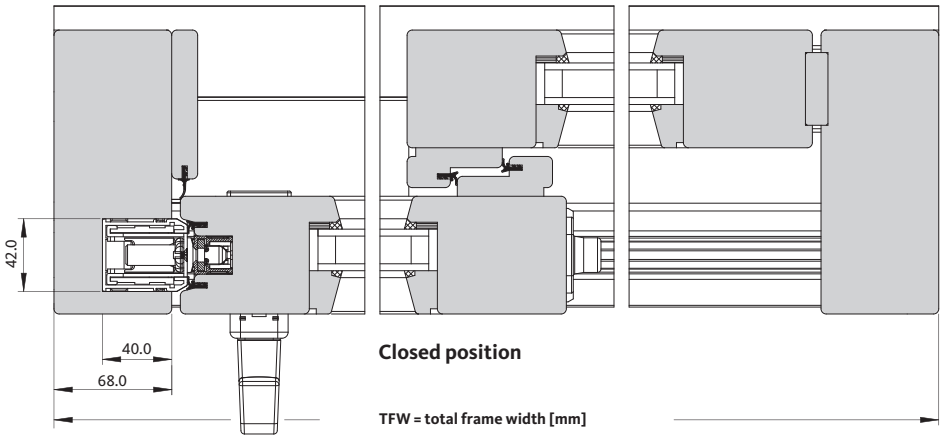
The L&S night vent module, pattern A, is suitable for

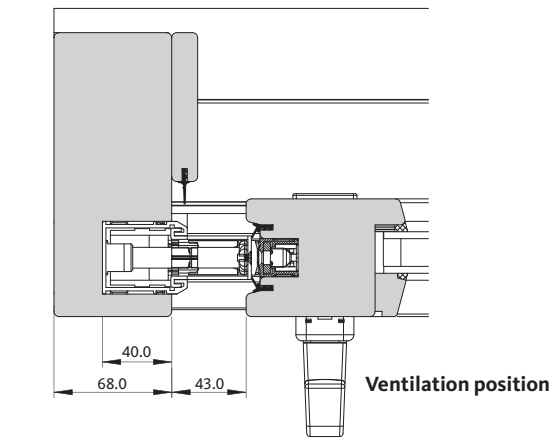
- Lift&Slide hardware
  - GU-934
  - GU-934 Tandem
  - GU-937
  - GU-937 Tandem
- Profile systems with sash distance 28 mm
- Frame widths of at least 63 mm
- using the guide track
  - P 1786
  - P 1850
- using Lift&Slide gears with
  - 37.5 mm backset
  - 27.5 mm backset

Installation drawings
The L&S night vent module is a component of every installation drawing. You can find the right installation drawing for your profile system in Chapter 1.0 "System overviews for Lift&Slide elements made of timber"

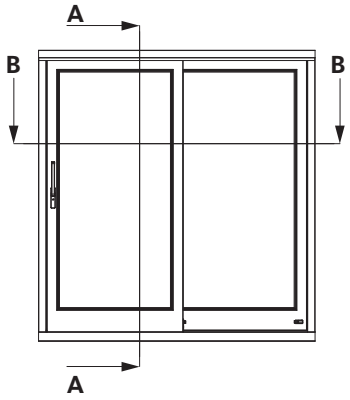


Section A – A





Section B – B



Interior view

L&S night vent module – pattern A

with insect screen, RC 2-tested – order information

Step 1: Order your standard hardware set

Standard hardware sets

Pattern A	Designation	Order information from page
Hardware set (choose from the following variants):		
1	Standard hardware set: GU-934 Lift&Slide hardware	96
1	Standard hardware set: GU-934 Lift&Slide tandem hardware	100
1	Standard hardware set: GU-937 Lift&Slide hardware	104
1	Standard hardware set: GU-937 Lift&Slide tandem hardware	108
Threshold set		
1	As desired	112
Guide track set		
1	As desired	198

Step 2: In addition to the standard hardware set, order the following components:

L&S turn handle – a turn handle with 90° detent is recommended for the L&S night vent module.

Pattern A	Designation	Finish	PU	Order no.
1	DIRIGENT L&S turn handle Inside, with PC-hole, 90° detent [1] [2] **ST to 80 mm**	EV 1	1	K-13263-00-0-1
		dark brown [3]	1	K-13263-00-0-5
		white	1	K-13263-00-0-7

[1] You can find other turn handle versions in Chapter 6.0 "Turn handles and accessories".
[2] We recommend the use of a buffer – see pages 219 + 220.
[3] Similar to RAL 8022

L&S night ventilation

Pattern A	Designation	SH [mm]	Finish	PU	Order no.
1	L&S night ventilation	1235 – 1865	–	1	K-17705-19-0-1
		1866 – 2365	–	1	K-17705-24-0-1
		2115 – 2765	–	1	K-17705-28-0-1
Optional part:					
Pattern A	**Designation**		**Guide track**	**PU**	**Order no.**
1	L&S night vent extension 500 [4]		P 1786	1	K-17946-01-0-1
			P 1850	1	K-17946-04-0-1

[4] **Also required:** gear extension 500 mm (EV 1 = 6-32030-00-0-1 / UC 5 = 6-32030-00-0-5)

L&S night vent module accessories

Pattern A	Guide track	Roller track	Finish	PU	Order no.
1	P 1786	5 mm P 1636	–	1	K-17564-05-0-1
		10 mm P 1659	–	1	K-17564-10-0-1
		15 mm P 1635	–	1	K-17564-15-0-1
1	P 1850	5 mm P 1636	–	1	K-18062-05-0-1
		10 mm P 1659	–	1	K-18062-10-0-1

Gasket parts / gasket profile

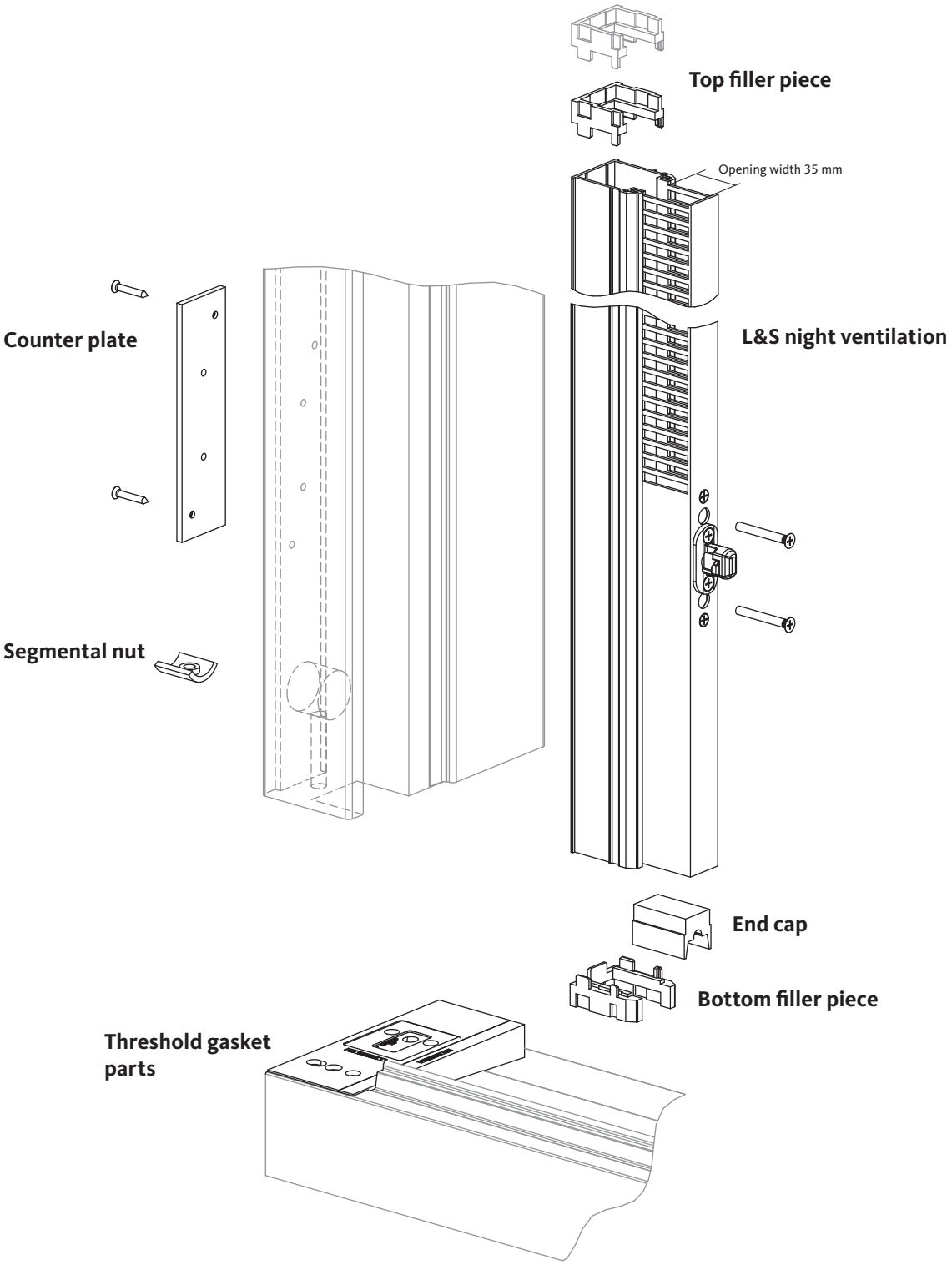
Pattern A	Designation	Length [m.]	Finish	PU	Order no.
1	L&S night vent module gasket profile [5]	100	–	1	W751048-00-0-1

[5] Required length = sash height -6 mm

L&S night vent module – pattern A

with insect screen, RC 2-tested – individual parts

L&S night vent module individual parts



Lift&Slide elements with panoramic glazing

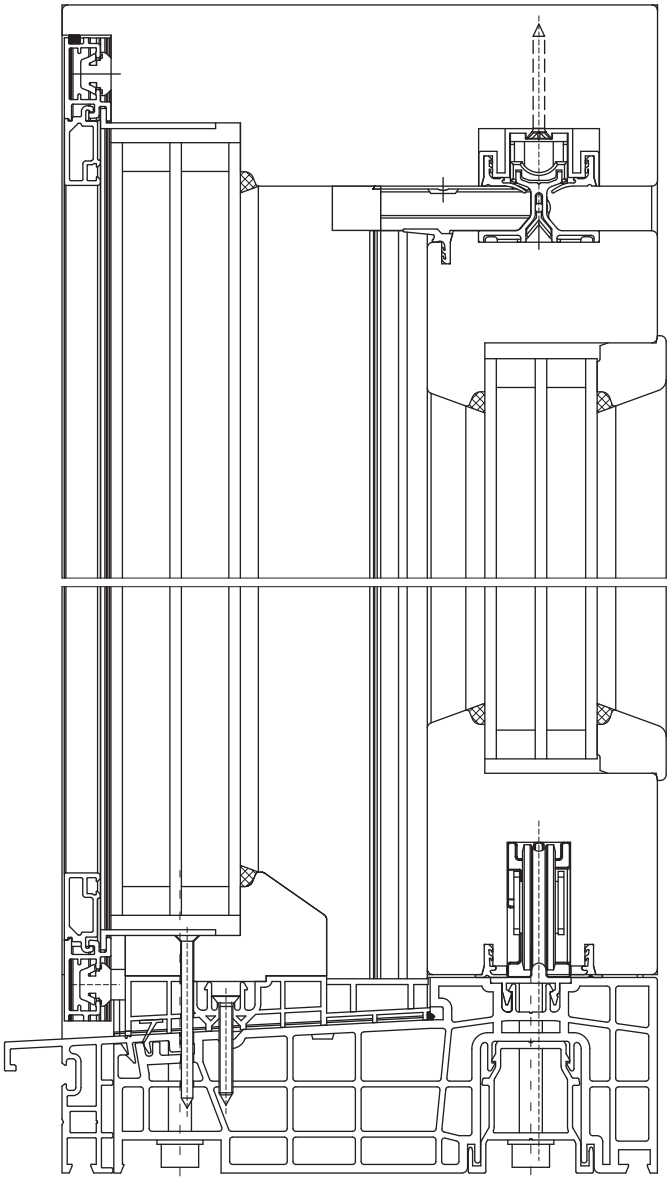
Order information – patterns A and C

Lift&Slide element GU-934/GU-937 with

- Sash thickness 80 mm
- GU-thermostep 204 threshold
- Guide track P 1850

Installation drawings

You can find details about the element and the hardware installation in the **installation drawings**
– 0-47328 timber neutral
– 0-47325 timber/aluminium system, Stemeseder
– 0-47326 timber/aluminium system, Gutmann



Step 1: Order your standard hardware set

Standard hardware sets	
Designation	**Order information from page**
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	96
Lift&Slide hardware GU-934 Tandem	100
Lift&Slide hardware GU-937	104
Lift&Slide hardware GU-937 Tandem	108
Threshold set:	
GU-thermostep 204 threshold	122
Guide track set:	
Guide track P 1850	200

Step 2: In addition to the standard hardware set, order the following components:

Designation		PU	Order no.
Accessories set for attachment track	Pattern A	1	K-19476-00-0-1
	Pattern C	1	K-19476-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set			

Designation		PU	Order no.
Corner connector set for panoramic glazing	Pattern A	1	K-19466-00-0-1
The corner connector (K-17914-03-0-1) of the standard threshold set is used for pattern C.			

Designation	PU	Order no.
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame-to-threshold corner connection on passage side	1	6-36129-06-0-0
Drilling jig for frame corner connection	1	6-36129-88-0-0
Drilling jig for corner connector on fixed glazing side	1	6-37324-02-0-0
Drilling jig for corner connector on passage side	1	6-37324-06-0-0

Lift&Slide elements with panoramic glazing

Order information – patterns A and C – timber/aluminium system, Stemeseder

Step 1: Order your standard hardware set

Standard hardware sets	
Designation	**Order information from page**
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	96
Lift&Slide hardware GU-934 Tandem	100
Lift&Slide hardware GU-937	104
Lift&Slide hardware GU-937 Tandem	108
Threshold set:	
GU-thermostep 204 threshold	122
Guide track set:	
Guide track P 1850	200

Step 2: In addition to the standard hardware set, order the following components:

Designation		**PU**	**Order no.**
Accessories set for attachment track	Pattern A	1	K-19475-00-0-1
	Pattern C	1	K-19475-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set			

Designation	**PU**	**Order no.**
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame corner connection	1	6-36129-05-0-0
Drilling jig for corner connector	1	6-37324-05-0-0

Step 1: Order your standard hardware set

Standard hardware sets	
Designation	**Order information from page**
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	96
Lift&Slide hardware GU-934 Tandem	100
Lift&Slide hardware GU-937	104
Lift&Slide hardware GU-937 Tandem	108
Threshold set:	
GU-thermostep 204 threshold	122
Guide track set:	
Guide track P 1850	200

Step 2: In addition to the standard hardware set, order the following components:

Designation		PU	Order no.
L&S accessories set for attachment track	Pattern A	1	K-19474-00-0-1
	Pattern C	1	K-19474-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set			

Designation	PU	Order no.
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame corner connection on passage side	1	6-36129-88-0-0
Drilling jig for corner connector	1	6-37324-02-0-0

Lift&Slide elements with fixed sidelight

Pattern A

Lift&Slide element GU-934 with

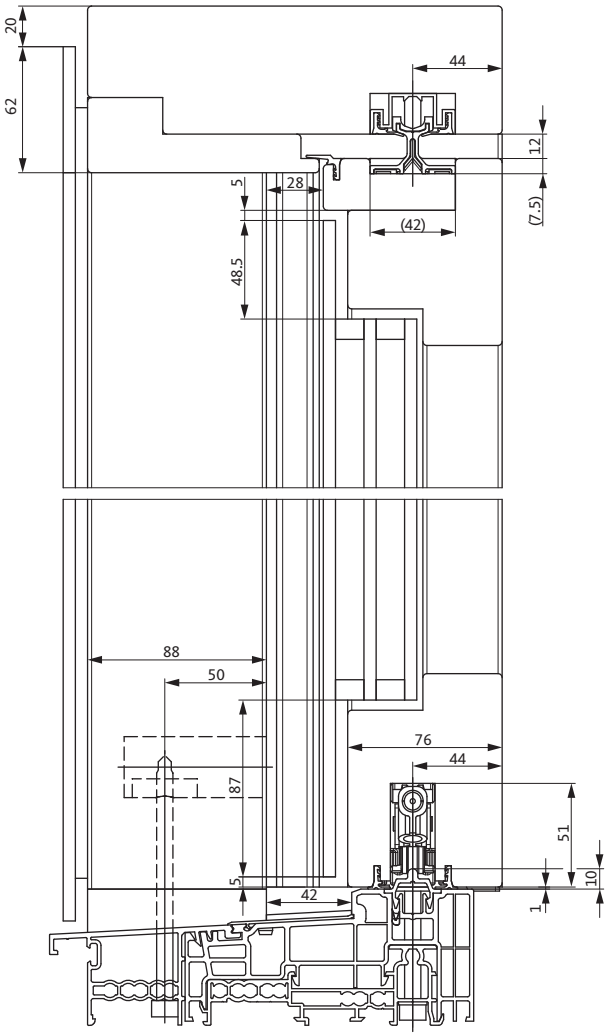
- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1850

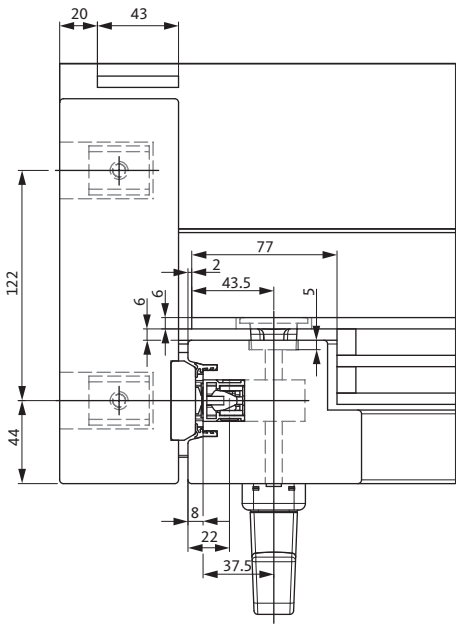
Installation drawings
You can find details about the element and the hardware installation in installation drawing **0-47330**. For different fixed sidelight details, refer to **installation drawing 0-45679**.

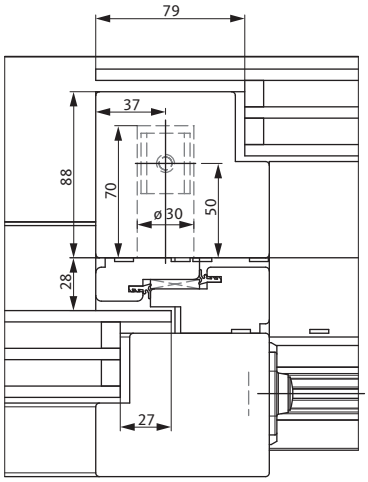
Advice:

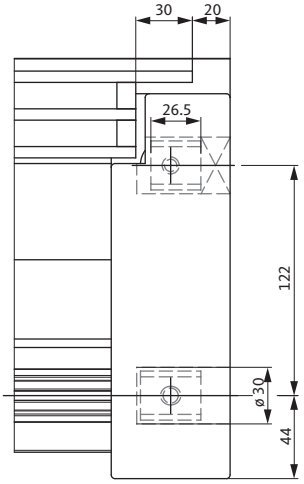
The glazing and the necessary profile geometries are illustrated there as a suggestion. When implementing these elements, these details must be coordinated with the glass manufacturers.

The installation and gluing of the glass panes is carried out in coordination with the glass and glue manufacturers.









Lift&Slide elements with fixed sidelight

Pattern A, 90° corner

Lift&Slide element GU-934 with

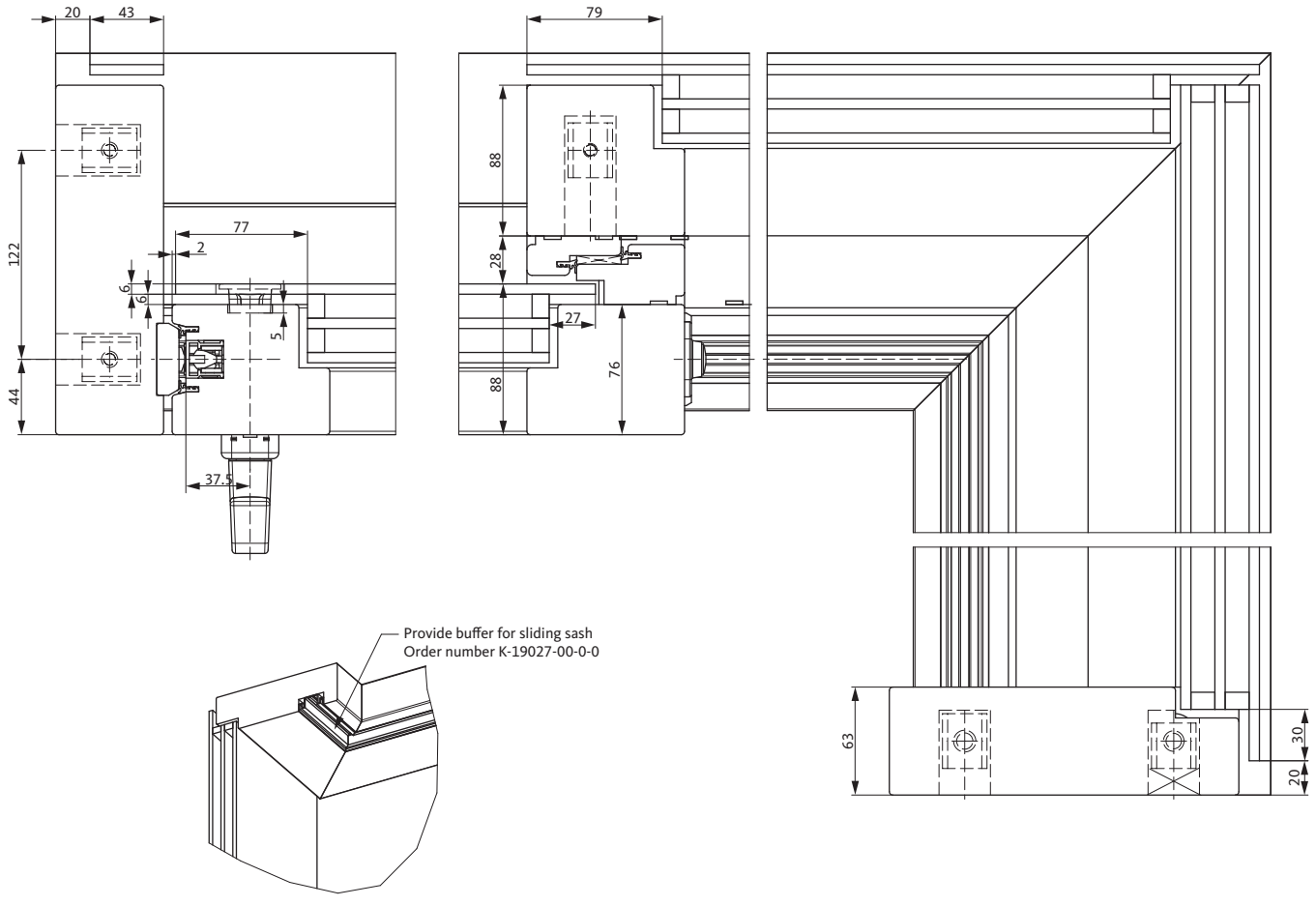
- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1850

Installation drawings
You can find details about the element and the hardware installation in installation drawing **0-47330.** For different fixed sidelight details, refer to **installation drawing 0-45679.**

Advice:

The glazing and the necessary profile geometries are illustrated there as a suggestion. When implementing these elements, these details must be coordinated with the glass manufacturers.

The installation and gluing of the glass panes is carried out in coordination with the glass and glue manufacturers.



Lift&Slide elements with fixed sidelight

Order information: Lift&Slide hardware

L&S bogie

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S bogie GU-934	ferGUard	1	K-16488-00-0-1	K-16488-00-0-1
		faceGUard	1	K-16488-00-0-18	K-16488-00-0-18

Rod Ø 8 mm

Pattern A	Designation	SW [mm]	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
1	Rod Ø 8 mm	720 – 1600	ferGUard	1	9-25476-11-0-1	9-25476-11-0-1
			faceGUard	1	9-25476-11-0-18	9-25476-11-0-18
		1601 – 1850	ferGUard	1	9-25476-14-0-1	9-25476-14-0-1
			faceGUard	1	9-25476-14-0-18	9-25476-14-0-18
		1851 – 2350	ferGUard	1	9-25476-18-0-1	9-25476-18-0-1
			faceGUard	1	9-25476-18-0-18	9-25476-18-0-18
		2351 – 3300	ferGUard	1	9-25476-33-0-1	9-25476-33-0-1
			faceGUard	1	9-25476-33-0-18	9-25476-33-0-18

Lift&Slide gear, 37.5 mm backset

Pattern A	Designation	SH [mm]		Finish		PU	Order no.	
		5 mm roller track	10 mm roller track	Cover rail	Lock case		fixed sidelight	fixed sidelight and 90° corner
1	Lift&Slide gear, 37.5 mm backset	840 – 1260	845 – 1265	EV 1	ferGUard	10	6-30021-11-0-1	6-30021-11-0-1
				UC 5	ferGUard	10	6-30021-11-0-5	6-30021-11-0-5
		1210 – 1840	1215 – 1845	EV 1	ferGUard	10	6-30021-19-0-1	6-30021-19-0-1
				UC 5	ferGUard	10	6-30021-19-0-5	6-30021-19-0-5
		1840 – 2340	1845 – 2345	EV 1	ferGUard	10	6-30021-24-0-1	6-30021-24-0-1
				UC 5	ferGUard	10	6-30021-24-0-5	6-30021-24-0-5
				EV 1	faceGUard	10	6-30021-24-0-18	6-30021-24-0-18
		2090 – 2740	2095 – 2745	EV 1	ferGUard	10	6-30021-28-0-1	6-30021-28-0-1
				UC 5	ferGUard	10	6-30021-28-0-5	6-30021-28-0-5
				EV 1	faceGUard	10	6-30021-28-0-18	6-30021-28-0-18

L&S accessories, hardware

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S accessories, hardware	ferGUard	1	K-16606-00-0-1	K-16606-00-0-1
		faceGUard	1	K-16606-00-0-18	K-16606-00-0-18
Optional					
1	Frame cam 1/S for an additional night ventilation position	ferGUard	1	9-29228-00-0-1	9-29228-00-0-1
1	L&S bottom keeper for additional securing of the night ventilation position; in combination with the frame cam 1/S	ferGUard	1	K-12057-00-0-1	K-12057-00-0-1

Gasket plate

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	Gasket plate	black	1	9-45753-00-0-6	9-45753-00-0-6

P 743 gasket

Pattern A	Designation	Length	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
2	P 743 gasket profile, meeting stile	100 m	black	1	W751012-00-0-6	W751012-00-0-6
2	P 743 gasket corner	2500 mm	black	1	9-26729-25-0-6	9-26729-25-0-6
		3500 mm	black	1	9-26729-35-0-6	9-26729-35-0-6

L&S turn handle and L&S flush pull [1]

Pattern A	Designation	ST [mm]	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
1	DIRIGENT L&S turn handle inside, without PC-hole	88, 90, 92	silver / EV 1 look	1	6-24605-60-0-1	6-24605-60-0-1
			dark brown [2]	1	6-24605-60-0-5	6-24605-60-0-5
			white, RAL 9016	1	6-24605-60-0-7	6-24605-60-0-7
1	L&S flush pull	88, 90, 92	stainless steel	1	9-39035-00-0-8	9-39035-00-0-8
The following must also be ordered for each turn handle:						
2	Fixing screws M6 x 90 mm	88, 90, 92	–	1	9-13274-90-R-1	9-13274-90-R-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories".
[2] Similar to RAL 8022

Lift&Slide elements with fixed sidelight

Order information: GU-thermostep 164 threshold

GU-thermostep 164 base profile

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner [1]
1	GU-thermostep 164 base profile	Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1	6-29938-30-0-1
			3500	EV 1 / light grey	1	6-29938-35-0-1	6-29938-35-0-1
			4000	EV 1 / light grey	1	6-29938-40-0-1	6-29938-40-0-1
			4500	EV 1 / light grey	1	6-29938-45-0-1	6-29938-45-0-1
			5000	EV 1 / light grey	1	6-29938-50-0-1	6-29938-50-0-1
			6700	EV 1 / light grey	1	6-29938-67-0-1	6-29938-67-0-1
				UC 5 / dark bronze	1	6-29938-67-0-5	6-29938-67-0-5

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

P 1659 roller track 10

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner [1]
1	P 1659 roller track 10	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	9-39330-45-0-1
			6700	EV 1 / light grey	1	9-39330-67-0-1	9-39330-67-0-1
				UC 5 / dark bronze	1	9-39330-67-0-5	9-39330-67-0-5

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

P 1642 tread threshold

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner
1	P 1642 tread threshold	TFW	1500	EV 1 / light grey	1	9-39318-15-0-1	9-39318-15-0-1
			2000	EV 1 / light grey	1	9-39318-20-0-1	9-39318-20-0-1
			2500	EV 1 / light grey	1	9-39318-25-0-1	9-39318-25-0-1
				UC 5 / dark bronze	1	9-39318-25-0-5	9-39318-25-0-5
			3350	EV 1 / light grey	1	9-39318-33-0-1	9-39318-33-0-1
				UC 5 / dark bronze	1	9-39318-33-0-5	9-39318-33-0-5

P 1837 drip rail 179

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner
1	P 1837 drip rail 179	Length = TFW	3000	EV 1 / light grey	1	9-45646-30-0-1	9-45646-30-0-1
			4000	EV 1 / light grey	1	9-45646-40-0-1	9-45646-40-0-1
			5000	EV 1 / light grey	1	9-45646-50-0-1	9-45646-50-0-1
				UC 5 / dark bronze	1	9-45646-50-0-5	9-45646-50-0-5
			6700	EV 1 / light grey	1	9-45646-67-0-1	9-45646-67-0-1

L&S corner connection parts

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S corner connection parts, top	ferGUard	1	K-10323-00-0-1	K-10323-00-0-1
1	L&S corner connection parts, bottom	ferGUard	1	K-15430-00-0-1	K-15430-00-0-1
1	L&S corner connector	ferGUard	1	K-17914-00-0-1	K-17914-00-0-1

L&S threshold connector 90°

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S threshold connector 90° for 90° corner connector of the threshold	faceGUard	1	–	K-18075-00-0-18

L&S guide track P 1850

Pattern A	Designation	SW [mm]	TFW [mm]	Finish		PU	Order no.	
				Profiles	Gasket		fixed sidelight	fixed sidelight and 90° corner [1]
1	L&S guide track P 1850	720 – 1450	3000	EV 1	grey	1	K-17997-30-0-1	K-17997-30-0-1
				EV 1	black	1	K-17997-30-0-6	K-17997-30-0-6
		1451 – 1700	3500	EV 1	grey	1	K-17997-35-0-1	K-17997-35-0-1
				EV 1	black	1	K-17997-35-0-6	K-17997-35-0-6
		1701 – 1950	4000	EV 1	grey	1	K-17997-40-0-1	K-17997-40-0-1
				EV 1	black	1	K-17997-40-0-6	K-17997-40-0-6
		1951 – 2200	4500	EV 1	grey	1	K-17997-45-0-1	K-17997-45-0-1
				EV 1	black	1	K-17997-45-0-6	K-17997-45-0-6
		2201 – 2450	5000	EV 1	grey	1	K-17997-50-0-1	K-17997-50-0-1
				EV 1	black	1	K-17997-50-0-6	K-17997-50-0-6
		2451 – 3300	6700	EV 1	grey	1	K-17997-67-0-1	K-17997-67-0-1
				EV 1	black	1	K-17997-67-0-6	K-17997-67-0-6

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

L&S accessories for P 1850 guide / with 10 mm roller track

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S accessories, guide P 1850	grey	1	K-17995-10-0-1	K-17995-10-0-1
		black	1	K-17995-10-0-6	K-17995-10-0-6
2	Cover cap 80	grey	1	9-29147-00-0-1	9-29147-00-0-1
		black	1	9-29147-00-0-6	9-29147-00-0-6
2	Gasket plate with self-adhesive film	black	1	9-43687-04-0-6	9-43687-04-0-6

Lift&Slide elements with 90° corner

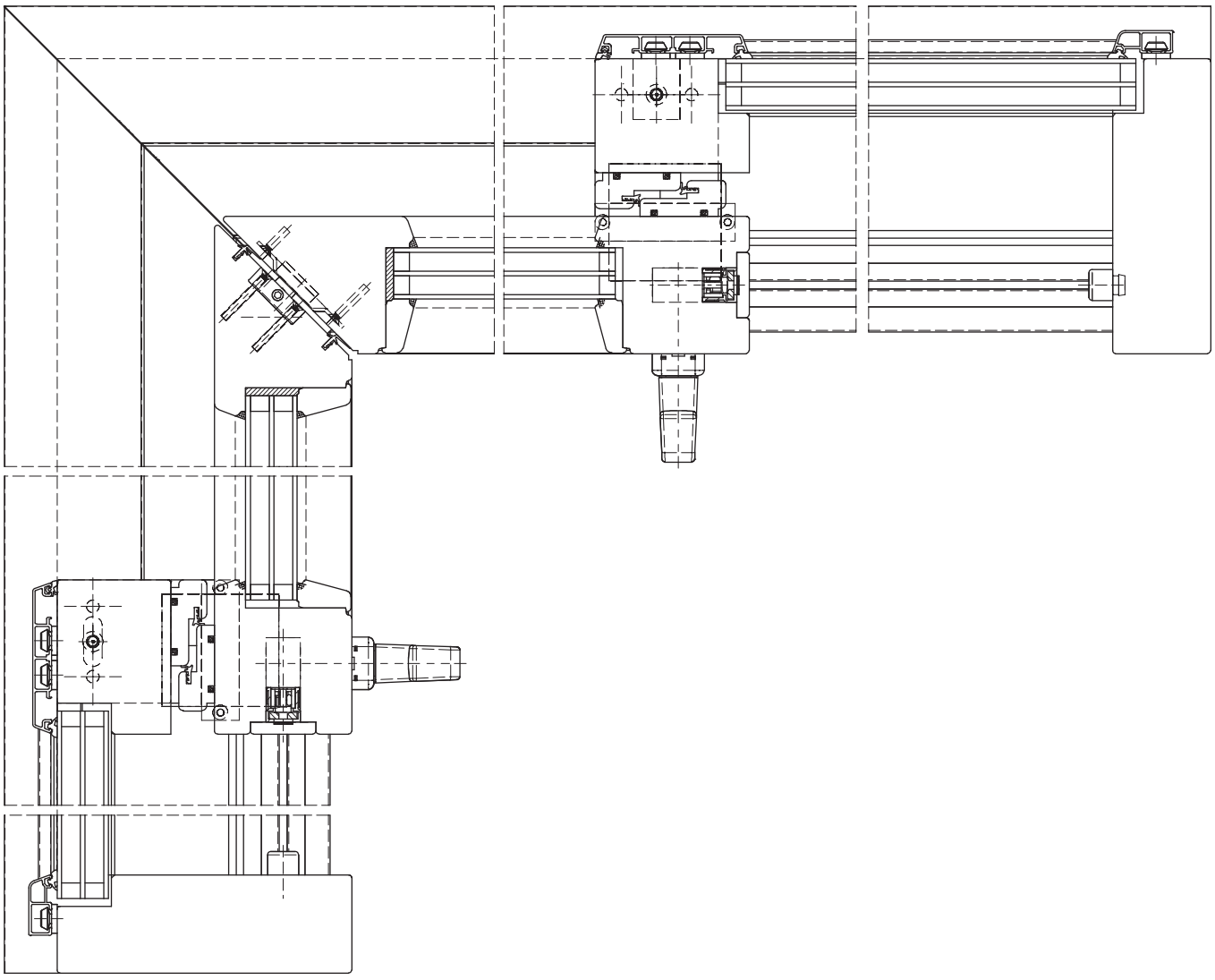
Pattern C

Lift&Slide element GU-934 with

- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1786 or P 1850

Installation drawings

You can find details about the element and the hardware installation in installation drawing **0-46618.**
For different fixed sidelight details, refer to **installation drawing 0-45914.**



Step 1: Order your standard hardware set

Standard hardware sets			
Pattern A	**Designation**	**Order information from page**	
Hardware set (choose from the following variants):			
2	Lift&Slide hardware GU-934	96	
2	Lift&Slide hardware GU-934 Tandem	100	
2	Lift&Slide hardware GU-937	104	
2	Lift&Slide hardware GU-937 Tandem	108	
Threshold set:			
2	GU-thermostep 164 threshold	122	
Guide track set (choose from the following variants):			
2	P 1786 guide track	198	
2	P 1850 guide track	200	
Pattern A	**Designation**	**PU**	**Order no.**
1	Milling jig for locking	1	6-37087-00-0-0

Step 2: In addition to the standard hardware set, order the following components:

When using the guide track P 1786

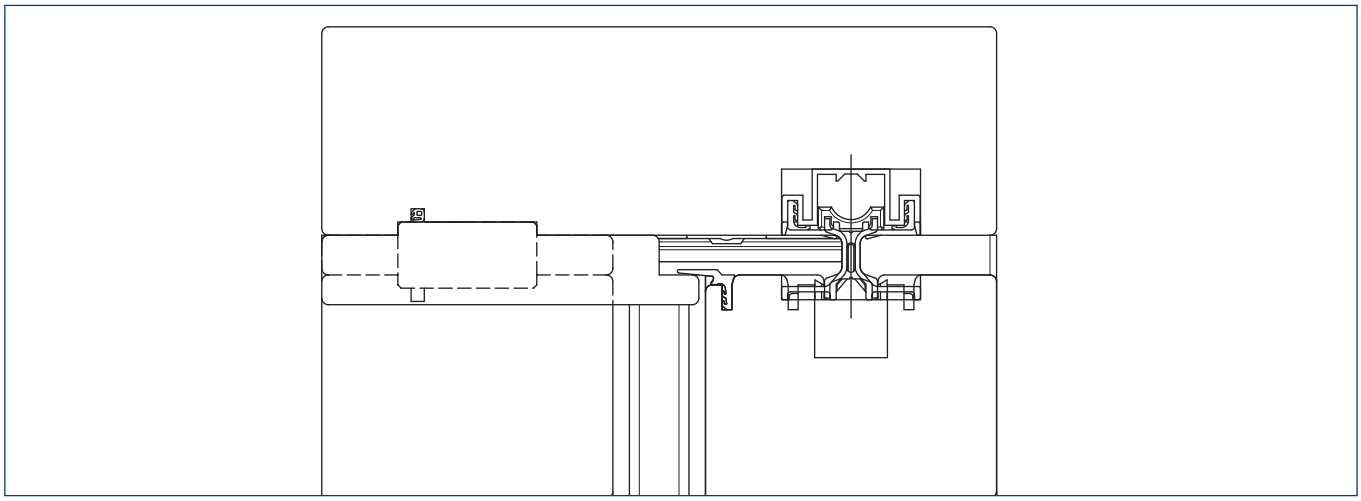
Designation	Lift&Slide hardware	Roller track height [mm]	PU	Order no.
Set of L&S accessories for corner elements	GU-934	5, 10	1	K-18479-20-0-6
	GU-937	5, 10	1	K-18485-20-0-6
Contains: 3 x Sec centre-lock, 3 x striker, 2 x profile-groove prop, 2 x guide, 4 x rubber buffer, gaskets, fixing screws				

When using the guide track P 1850

Designation	Lift&Slide hardware	Roller track height [mm]	PU	Order no.
Set of L&S accessories for corner elements	GU-934	5, 10	1	K-18479-10-0-6
	GU-937	5, 10	1	K-18485-10-0-6
Contains: 3 x Sec centre-lock, 3 x striker, 2 x profile-groove prop, 4 x guide, 4 x rubber buffer, gaskets, fixing screws				

P 1850 concealed guide track

For timber systems as from sash thickness of 56 mm



L&S guide track P 1850

L&S guide track P 1850

Pattern												SW [mm]	TFW [mm]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L			Profiles	Gasket		
1	1	1	2	2	2	1	1	1	2	1	2	720 – 1450	3000	EV 1	grey	1	K-17997-30-0-1
														EV 1	black	1	K-17997-30-0-6
												1451 – 1700	3500	EV 1	grey	1	K-17997-35-0-1
														EV 1	black	1	K-17997-35-0-6
												1701 – 1950	4000	EV 1	grey	1	K-17997-40-0-1
														EV 1	black	1	K-17997-40-0-6
												1951 – 2200	4500	EV 1	grey	1	K-17997-45-0-1
														EV 1	black	1	K-17997-45-0-6
												2201 – 2450	5000	EV 1	grey	1	K-17997-50-0-1
														EV 1	black	1	K-17997-50-0-6
												2451 – 3300	6700	EV 1	grey	1	K-17997-67-0-1
														EV 1	black	1	K-17997-67-0-6

L&S accessories for concealed guide P 1850

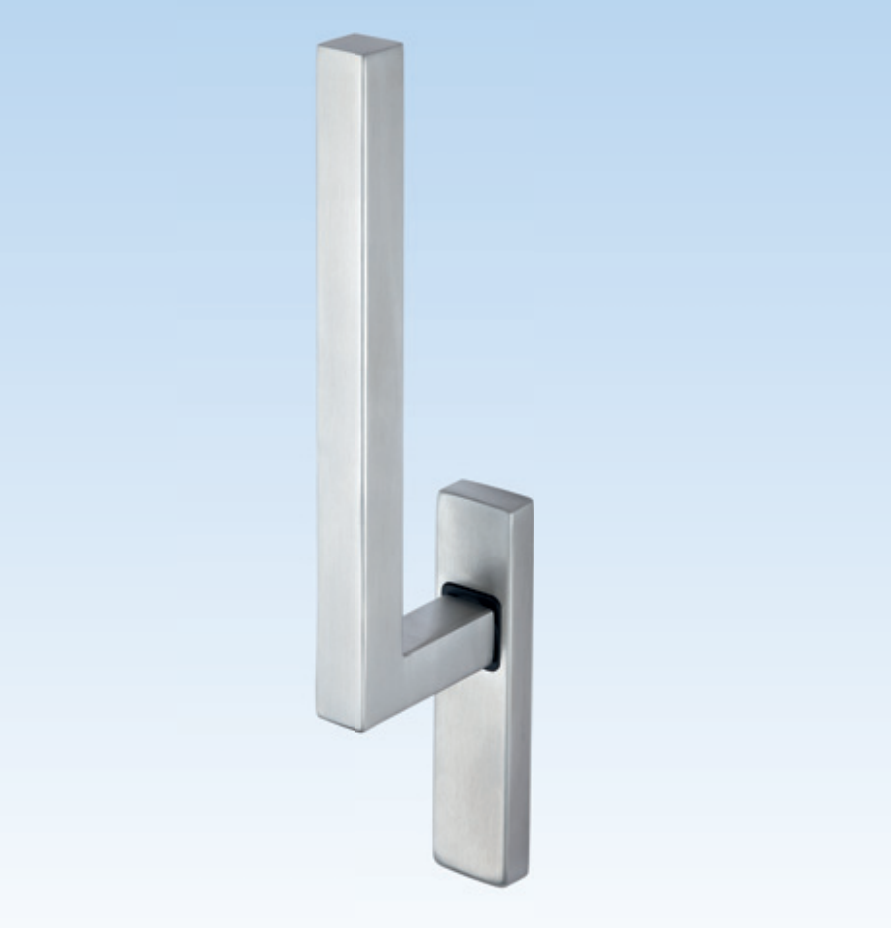
L&S accessories for concealed guide P 1850 – 5 mm roller track

Pattern												Roller track [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	–	2	2	2	1	1	1	2	2	2	5	EV 1 / light grey	1	K-19464-00-0-1
													black	1	K-19464-00-0-6
–	–	1	–	–	1	–	–	–	–	–	1	5	EV 1 / light grey	1	K-19464-10-0-1
													black	1	K-19464-10-0-6

You can find all individual parts in Chapter 3.3 "Guide track" from page 312.

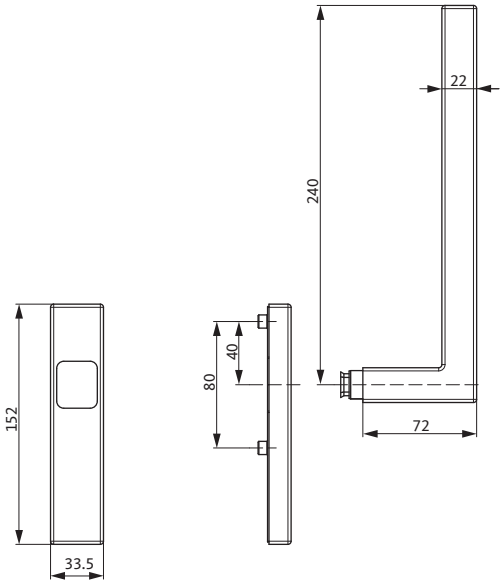
L&S turn handles in special design

Special form



Product information

- High-quality stainless steel turn handle, interior, with dummy backplate
- With 10 mm square spindle and 80 mm distance between screw centres
- Flush pull must be ordered separately
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



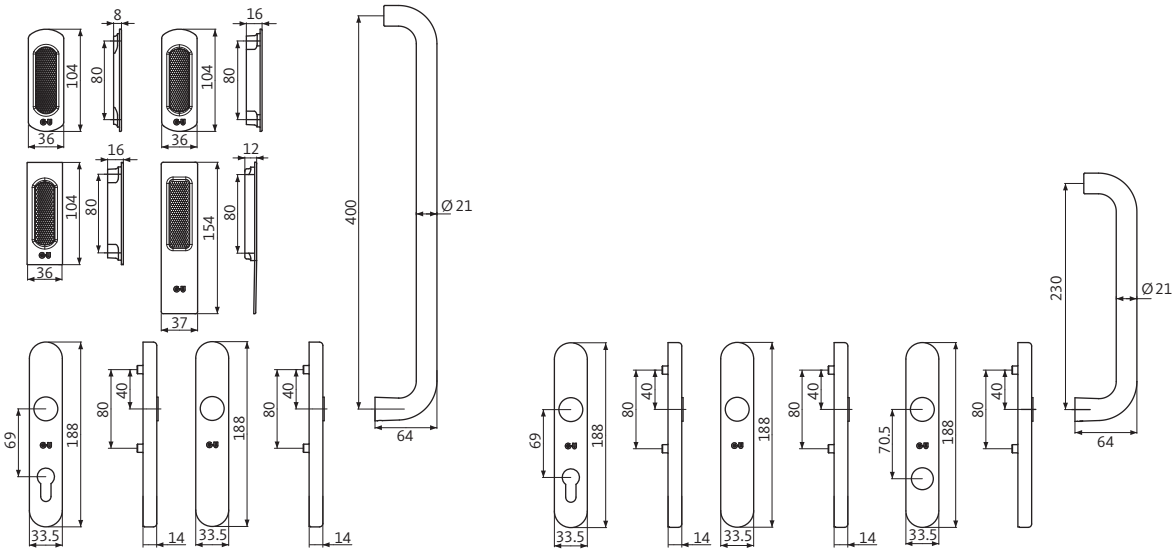
You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".

L&S turn handles in special design

RONDO series

Product information

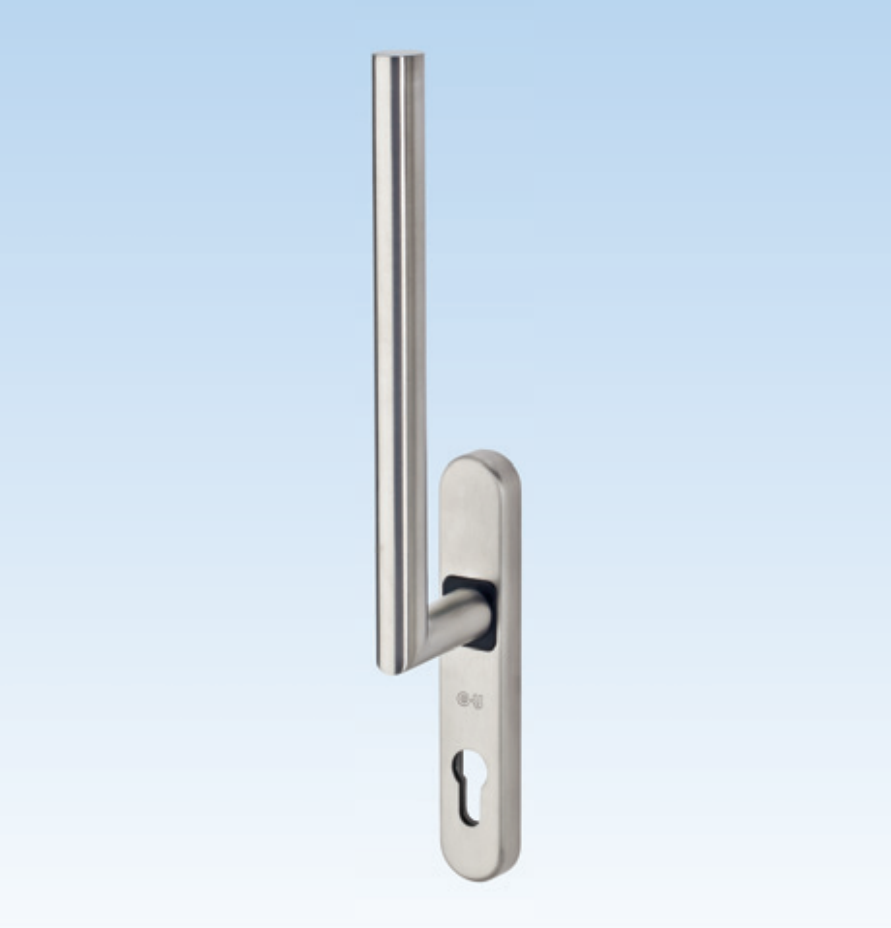
- High-quality stainless steel turn handles, optionally with
  - Dummy backplate
  - Profile cylinder hole (PC) or
  - Round cylinder hole (Swiss RC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".

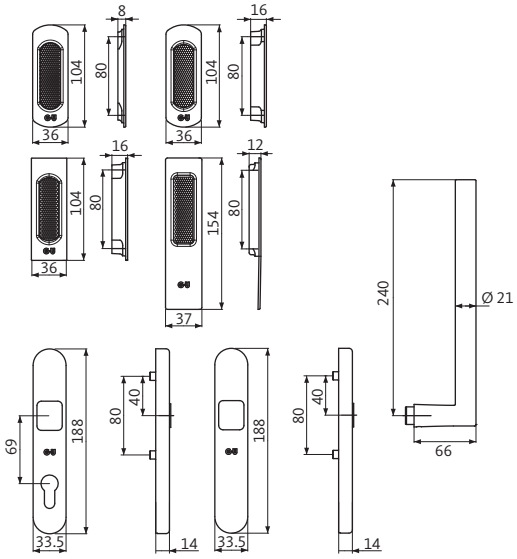
L&S turn handles in special design

BELCANTO series



Product information

- High-quality stainless steel turn handles, optionally with
  – Dummy backplate or
  – Profile cylinder hole (PC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



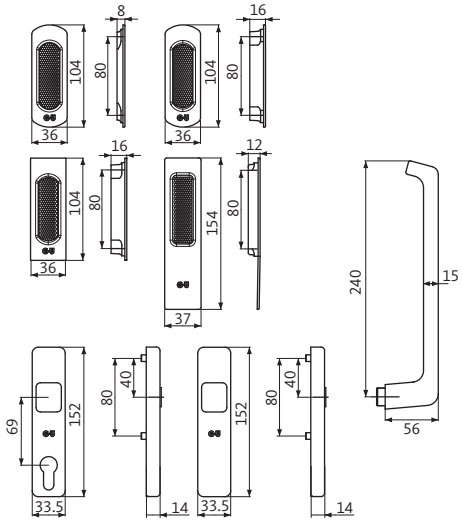
You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".

L&S turn handles in special design

DIRIGENT series

Product information

- High-quality stainless steel turn handles, optionally with
  – Dummy backplate or
  – Profile cylinder hole (PC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16

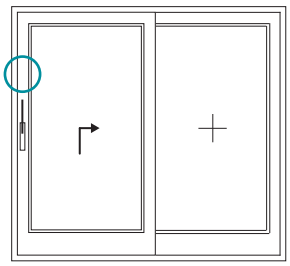


You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".

Electronic security

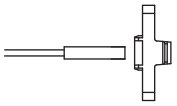
L&S locking monitoring set

Pattern A

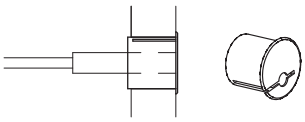


Installation drawing 0-44449

VdS certificate no. G 105012



Locking monitoring set



Locking monitoring with eccentric plug

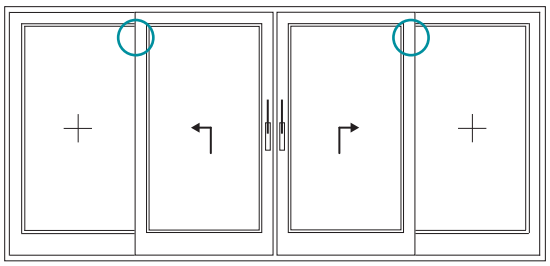
L&S locking monitoring set

Magnetic locking monitoring
between door frame and sliding sash

Versions/order numbers

Designation	Cable length [m]	PU	Order no.
L&S locking monitoring set	4.0	1	K-16752-00-0-0
	10.0	1	K-16752-10-0-0
Contains: 1 x magnetic cam, 1 x magnetic switch, accessories			
Designation	**Finish**	**PU**	**Order no.**
Eccentric plug	brown	1	6-33079-00-0-5
	white	1	6-33079-00-0-7

Pattern C



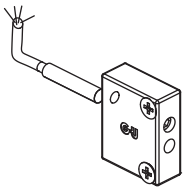
Installation drawing 0-44768

L&S locking monitoring set

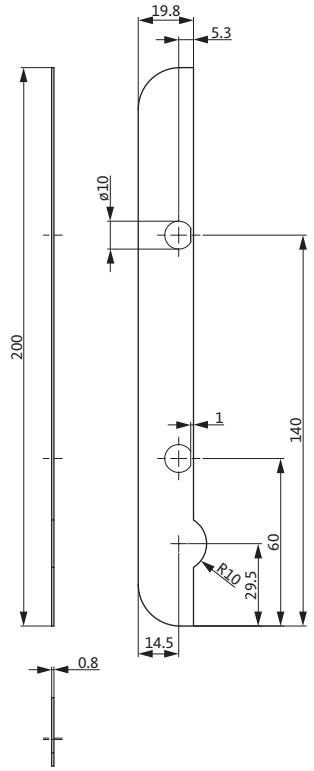
Magnetic locking monitoring
between sliding sashes and fixed-glazed sashes

Versions/order numbers

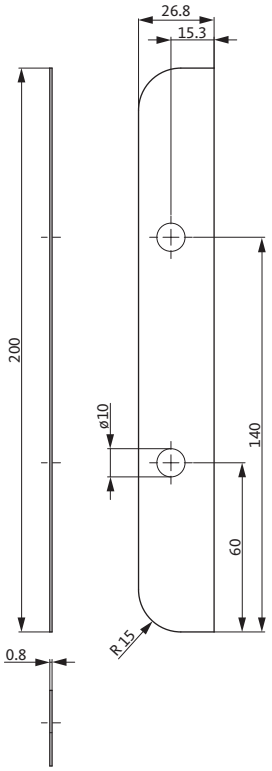
Designation	Cable length [m]	PU	Order no.
L&S locking monitoring set	4.0	1	K-17322-00-0-7
	10.0	1	K-17322-10-0-7
Contains: 2 x magnetic switch, 2 x magnet holder, accessories			



RC 2



9-41309-01-0-0



9-41309-02-0-0

Anti-drill plate for L&S geared turn handles

Accessories for RC 2 versions

Versions/order numbers

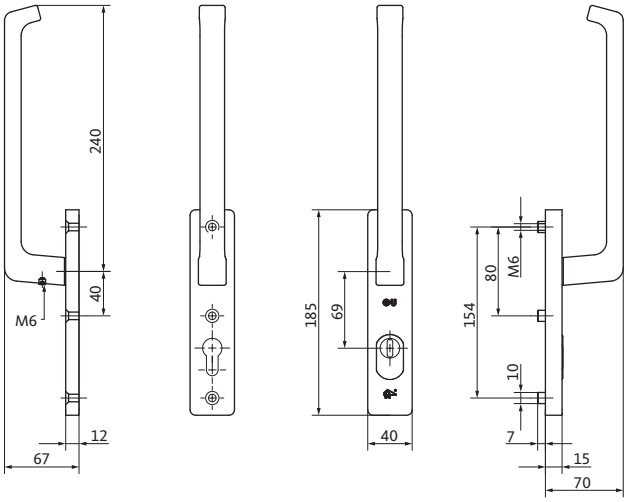
Designation	Lift&Slide gear Backset [mm]	PU	Order no.
Anti-drill plate for gear	27.5	1	9-41309-01-0-0
	37.5	1	9-41309-02-0-0

Mechanical security

L&S interior/exterior handle set, with PC hole – DIRIGENT – PZ ZA – SK3

Product information

- High-quality aluminium turn handle, interior and exterior, with PC hole
- Exterior handle with security cylinder protection
- The security cylinder protection is suitable for a cylinder projection of 9–12 mm
- With 10 mm square spindle and 80/74 mm distance between screw centres
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Tested according to EN 1906 burglar protection category in the protection classes 2 and 3
- With SKG*** certificate
- Handle length 240 mm
- Handle height 74 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



L&S turn handles

RC2 RC3

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle outside PZ ZA, SK3	180°	aluminium	with lugs	yes	EV 1	1	H-01230-00-0-1
					white, RAL 9016	1	H-01230-00-0-7
					cream white	1	H-01230-00-0-7V
DIRIGENT L&S turn handle inside	180°	aluminium	without lugs	yes	EV 1	1	H-01231-00-0-1
					white, RAL 9016	1	H-01231-00-0-7
					cream white	1	H-01231-00-0-7V

Note about square spindle: when using the square spindle for sash thickness up to 90 mm. If the sash thicknesses vary the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

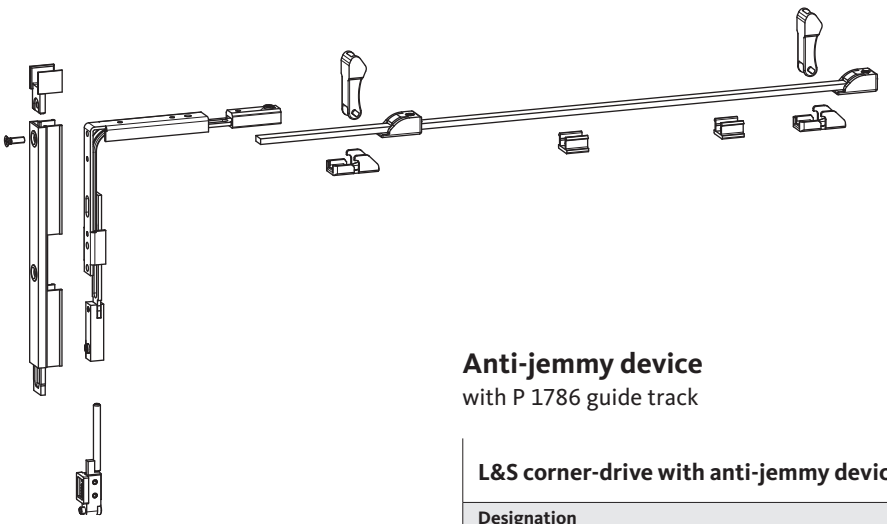
Fixing screws

Versions/order numbers

Designation	ST [mm]	Order no.
Set of fixing screws M6 (DIN 7991)	54 – 60	H-01232-01-0-1
	59 – 65	H-01232-02-0-1
	64 – 70	H-01232-03-0-1
	69 – 75	H-01232-04-0-1
	74 – 80	H-01232-05-0-1
	84 – 90	H-01232-06-0-1
	109 – 115	H-01232-07-0-1

Mechanical security

Anti-jemmy device when using the P 1786 guide track



Anti-jemmy device

with P 1786 guide track

L&S corner-drive with anti-jemmy device

Designation	Finish	PU	Order no.
L&S corner-drive with anti-jemmy device	EV 1 / light grey	1	K-18906-00-0-1
	UC 5 / dark bronze	1	K-18906-00-0-5
Contains: 1 x corner-drive, 1 x cover, 1 x extension, 3 x guide, fixing screws			

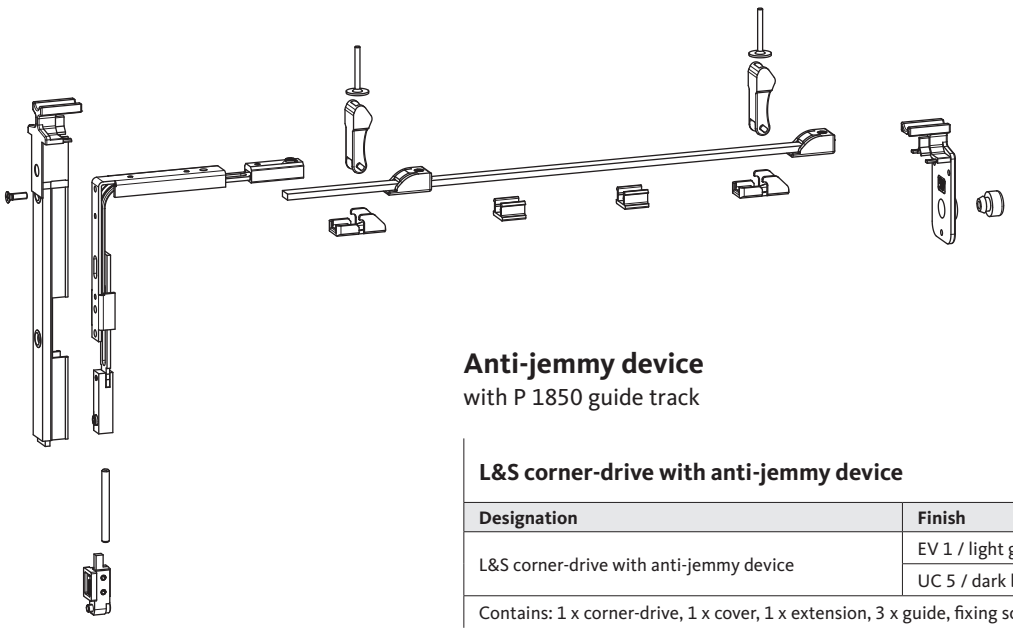
L&S anti-jemmy device

Designation	Finish	PU	Order no.
L&S anti-jemmy device	EV 1 / light grey	1	K-16569-00-0-1
Contains: 2 x lever, 2 x wedge, 2 x pivot bracket			

P 959 connecting rod for L&S anti-jemmy device

Designation	SW [mm]	Length [mm]	Finish	PU	Order no.
P 959 connecting rod for L&S anti-jemmy device	600 – 1220	1000	ferGUard	1	9-28355-10-0-1
	1221 – 1720	1500	ferGUard	1	9-28355-15-0-1
	1721 – 2020	1800	ferGUard	1	9-28355-18-0-1
	2021 – 3000	2600	ferGUard	1	9-28355-26-0-1
	Stock length	4800	ferGUard	1	9-28355-48-0-1

RC2



Anti-jemmy device
with P 1850 guide track

L&S corner-drive with anti-jemmy device

Designation	Finish	PU	Order no.
L&S corner-drive with anti-jemmy device	EV 1 / light grey	1	K-18906-00-0-1
	UC 5 / dark bronze	1	K-18906-00-0-5
Contains: 1 x corner-drive, 1 x cover, 1 x extension, 3 x guide, fixing screws			

L&S anti-jemmy device

Designation	Finish	PU	Order no.
L&S anti-jemmy device	EV 1 / light grey	1	K-16569-00-0-1
Contains: 2 x lever, 2 x wedge, 2 x pivot bracket			

L&S anti-jemmy device accessories

Designation	Finish	PU	Order no.
L&S anti-jemmy device accessories	–	1	K-18056-00-0-8
Contains: 2 x O-ring, 2 x tappet			

P 959 connecting rod for L&S anti-jemmy device

Designation	SW [mm]	Length [mm]	Finish	PU	Order no.
P 959 connecting rod for L&S anti-jemmy device	600 – 1220	1000	ferGUard	1	9-28355-10-0-1
	1221 – 1720	1500	ferGUard	1	9-28355-15-0-1
	1721 – 2020	1800	ferGUard	1	9-28355-18-0-1
	2021 – 3000	2600	ferGUard	1	9-28355-26-0-1
	Stock length	4800	ferGUard	1	9-28355-48-0-1

Mechanical security

Meeting stile security profiles

Meeting stile security profile L&S 10 RC

Meeting stile security profile L&S 16/22 RC

Meeting stile security profile L&S 25/29 RC

L&S meeting stile security profile set

Installation drawing 0-44188

RC 2

Versions/order numbers

Designation	SD [mm]	Length [mm]	Finish	PU	Order no.
Meeting stile security profile set L&S 10 RC	10	2400	grey	1	K-15797-24-0-1
			black	1	K-15797-24-0-6
			white	1	K-15797-24-0-7
	10	2900	grey	1	K-15797-29-0-1
			black	1	K-15797-29-0-6
			white	1	K-15797-29-0-7
Meeting stile security profile set L&S 16/22 RC	16 – 22	2400	grey	1	K-15798-24-0-1
			black	1	K-15798-24-0-6
			white	1	K-15798-24-0-7
	16 – 22	2900	grey	1	K-15798-29-0-1
			black	1	K-15798-29-0-6
			white	1	K-15798-29-0-7
Meeting stile security profile set L&S 25/29 RC	25 – 29	2400	grey	1	K-15799-24-0-1
			black	1	K-15799-24-0-6
			white	1	K-15799-24-0-7
	25 – 29	2900	grey	1	K-15799-29-0-1
			black	1	K-15799-29-0-6
			white	1	K-15799-29-0-7

Extension L&S 10 RC

Extension L&S 16/22 RC

Extension L&S 25/29 RC

L&S extension set

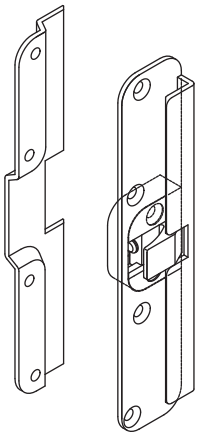
Versions/order numbers

Designation	SD [mm]	Length [mm]	Finish	PU	Order no.
Extension set L&S 10 RC	10	500	grey	1	K-16855-00-0-1
			black	1	K-16855-00-0-6
			white	1	K-16855-00-0-7
Extension set L&S 16/22 RC	16 – 22	500	grey	1	K-16856-00-0-1
			black	1	K-16856-00-0-6
			white	1	K-16856-00-0-7
Extension set L&S 25/29 RC	25 – 29	500	grey	1	K-16857-00-0-1
			black	1	K-16857-00-0-6
			white	1	K-16857-00-0-7

Accessories for meeting stile security profile

Versions/order numbers

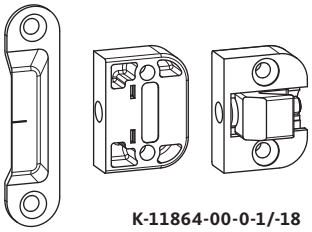
Designation	Dimensions [mm]	Requirements per meeting stile security profile set	PU	Order no.
Spax screw	5 x 50	24	1	H-00112-50-0-1
Spax screw	5 x 60	24	1	H-00112-60-0-1
Spax screw	3.5 x 35	1	1	H-00109-35-0-1



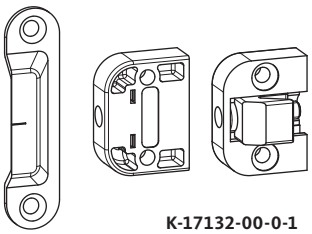
Sec centre-closer set

Versions/order numbers

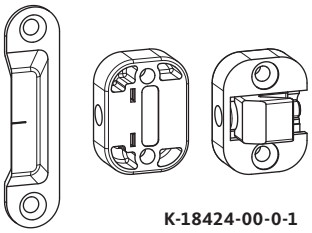
Designation	SD [mm]	PU	Order no.
Sec centre-closer set, vertical	10	1	K-15227-00-0-1
	28	1	K-15567-00-0-1



K-11864-00-0-1/-18



K-17132-00-0-1



K-18424-00-0-1

Centre-closer set

Versions/order numbers

Designation	SD [mm]	Finish	PU	Order no.
Centre-closer set, vertical	10	ferGUard	1	K-11864-00-0-1
		faceGUard	1	K-11864-00-0-18
	28	ferGUard	1	K-17132-00-0-1
	28	ferGUard	1	K-18424-00-0-1

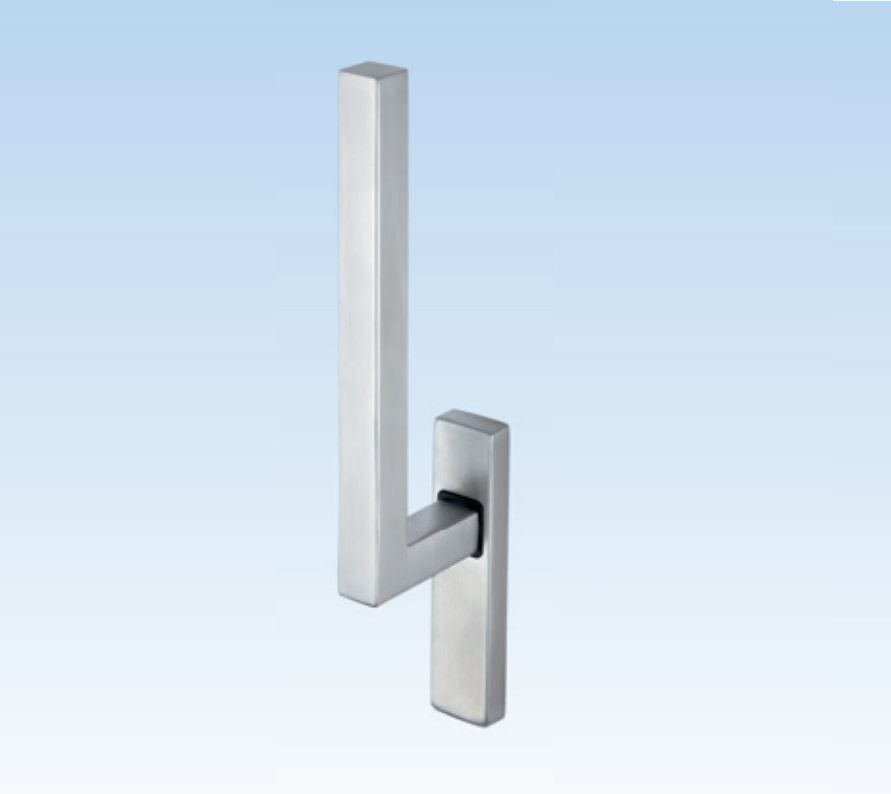
Installation drawing 0-36943

6.0 Turn handles and accessories

Turn handle – Special form 410
RONDO series 413
BELCANTO series 433
DIRIGENT series 445
Accessories 474

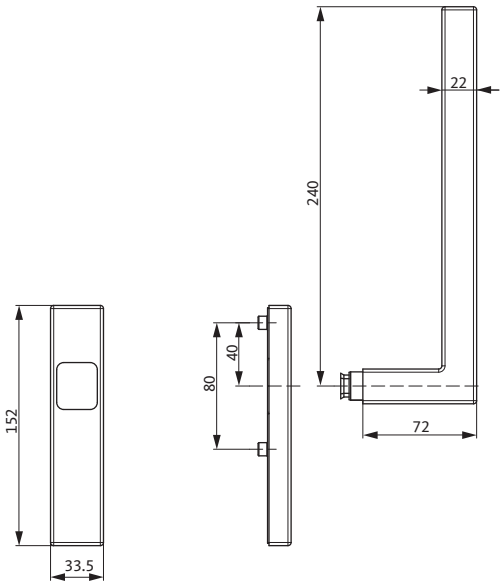
Special form, square – interior L&S turn handle, without PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm
- The cover rosette cannot subsequently be exchanged



Special form, square – interior L&S turn handle, without PC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
Special form, square – L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-18684-00-0-8

Contents	Piece(s)
Special form, square – interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST 88 to 92 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	Included in PU for turn handle
	90	90	
	92	90	
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

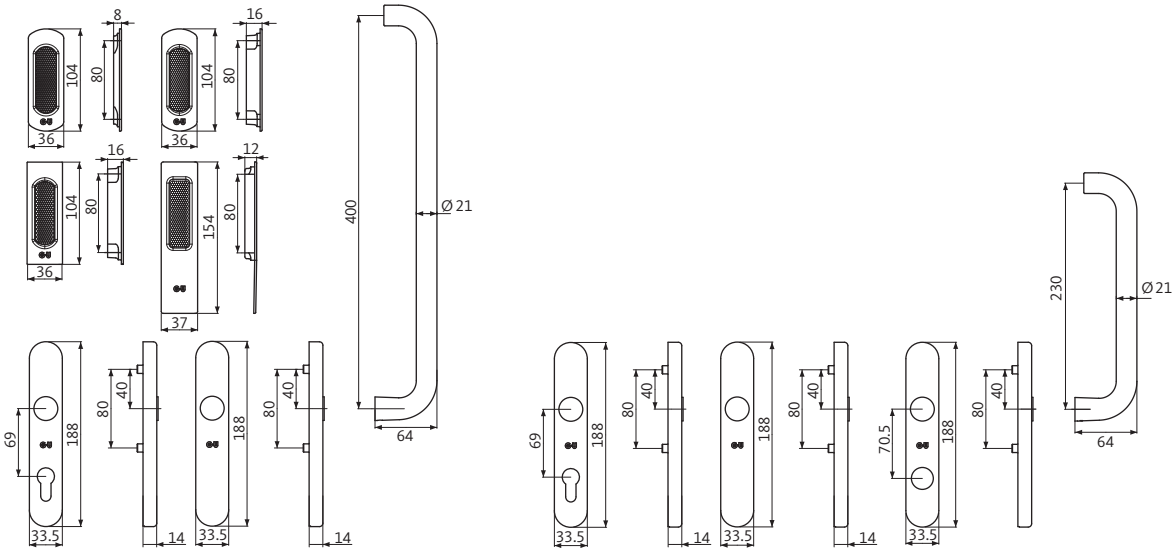
Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

Product information

- High-quality stainless steel turn handles, optionally with
  – Dummy backplate
  – Profile cylinder hole (PC) or
  – Round cylinder hole (Swiss RC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



Some products in this series are suitable for

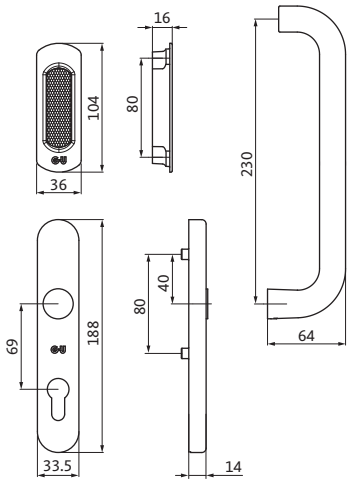
CE EN 13126-16

RONDO – interior L&S turn handle with PC hole

with exterior flush pull

Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-16797-00-0-8
	90°	stainless steel	with lugs	yes	1	K-16863-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, with PC hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

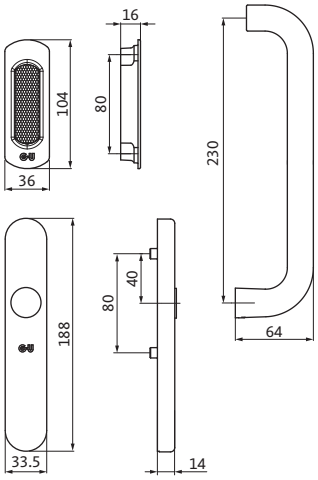
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

RONDO – interior L&S turn handle without PC hole

with exterior flush pull

Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle without PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-16796-00-0-8
	90°	stainless steel	with lugs	no	1	K-16862-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, without PC hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

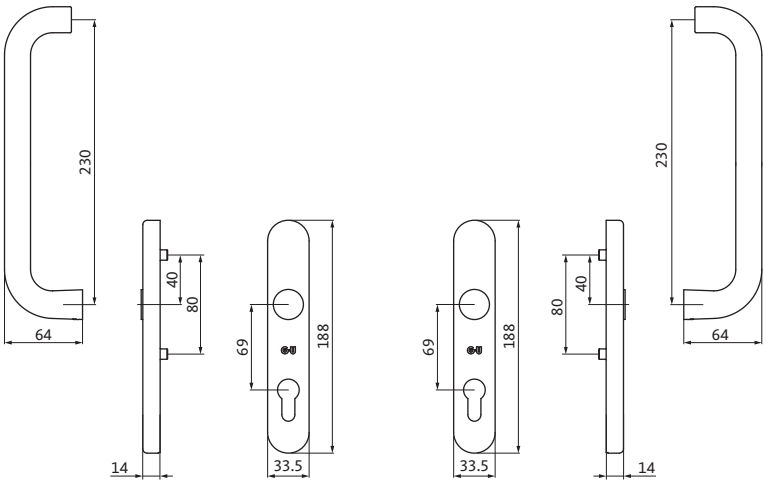
Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1

RONDO – L&S interior/exterior handle set, with PC hole

Product information

- High-quality stainless steel turn handles, interior and exterior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



RONDO – L&S interior/exterior handle set, with PC hole

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle interior/exterior, with PC hole	180°	stainless steel	with lugs	yes	1	K-16798-00-0-8
	90°	stainless steel	with lugs	yes	1	K-16864-00-0-8

Contents	Piece(s)
RONDO interior/exterior L&S turn handle, with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (suitable for ST up to 90 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately in the event of deviating sash thicknesses.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	70	9-13274-70-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	Included in PU for turn handle
	90		
	92		
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers

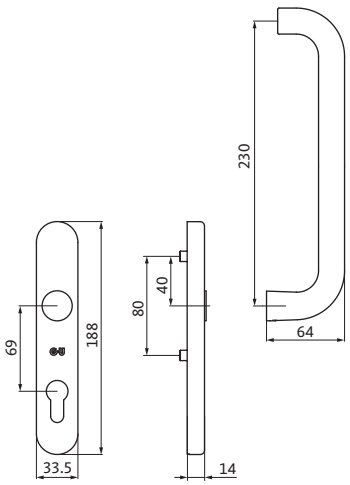
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – interior L&S turn handle with PC hole

without flush pull

Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with PC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-16808-00-0-8
	90°	stainless steel	with lugs	yes	1	K-16866-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, with PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers

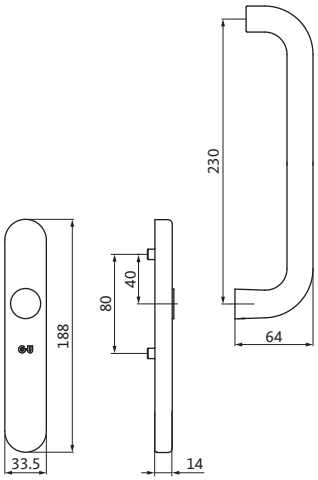
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – interior L&S turn handle without PC hole

without flush pull

Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle without PC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-16807-00-0-8
	90°	stainless steel	with lugs	no	1	K-16868-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

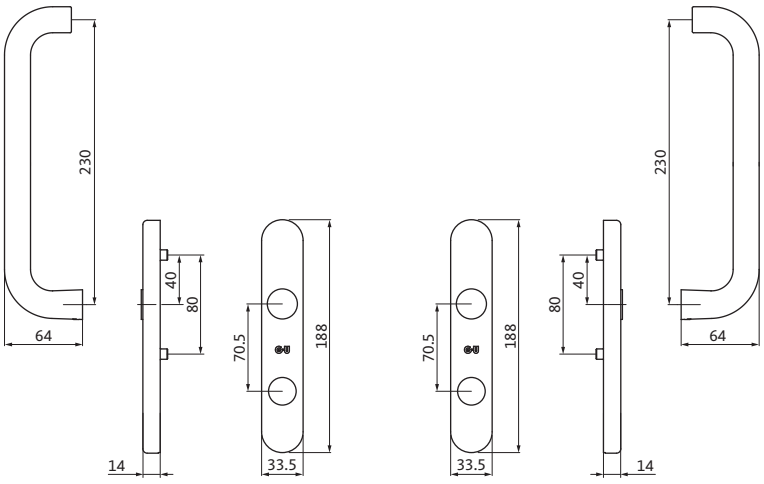
Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – L&S interior/exterior handle set, with Swiss RC hole

Product information

- High-quality stainless steel turn handles, interior and exterior, with 22 mm Swiss RC hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



RONDO – L&S interior/exterior handle set, with Swiss RC hole

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle interior/exterior, with Swiss RC hole	180°	stainless steel	with lugs	yes	1	K-16908-00-0-8

Contents	Piece(s)
RONDO interior/exterior L&S turn handle with Swiss RC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (suitable for ST up to 90 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately in the event of deviating sash thicknesses.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	70	9-13274-70-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	Included in PU for turn handle
	90		
	92		
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers

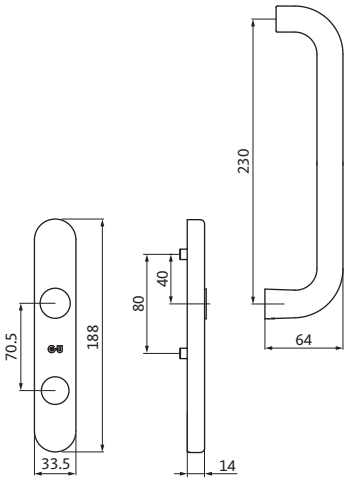
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – interior L&S turn handle with Swiss RC hole

without flush pull

Product information

- High-quality stainless steel turn handle, interior, with 22 mm Swiss RC hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with Swiss RC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle interior, with Swiss RC hole	180°	stainless steel	with lugs	yes	1	K-17624-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle with Swiss RC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – interior L&S turn handle with PC hole

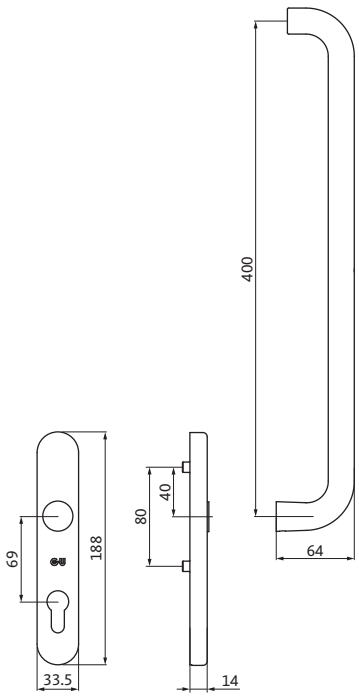
extended handle

Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- Special length 400 mm
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 400 mm
- Handle height 78 mm

This product is suitable for use in accordance with

DIN 18040



RONDO – interior L&S turn handle with PC hole

extended handle

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-17232-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, with PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

RONDO – interior L&S turn handle without PC hole

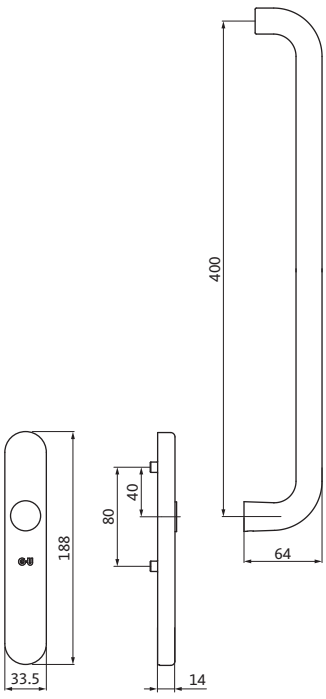
extended handle

Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- Special length 400 mm
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 400 mm
- Handle height 78 mm

This product is suitable for use in accordance with

DIN 18040



RONDO – interior L&S turn handle without PC hole

extended handle

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
RONDO L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-17231-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

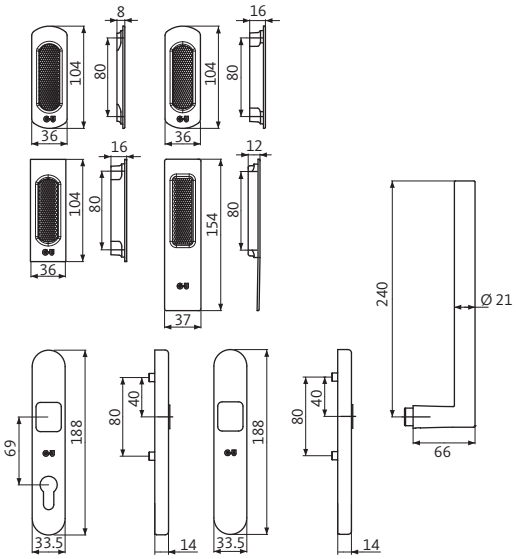
Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1



Product information

- High-quality stainless steel turn handles, optionally with
  – Dummy backplate
  – Profile cylinder hole (PC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16

Some products in this series are suitable for

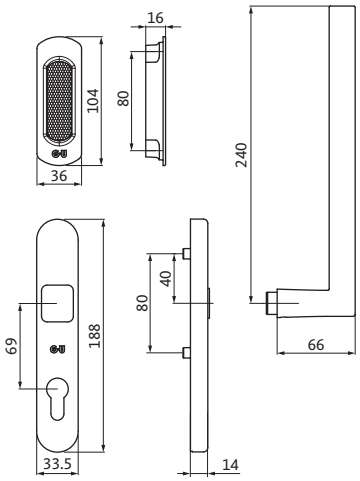
CE EN 13126-16

BELCANTO – interior L&S turn handle, with PC hole

with exterior flush pull

Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



BELCANTO – interior L&S turn handle, with PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
BELCANTO L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-17016-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17021-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle, with PC-hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

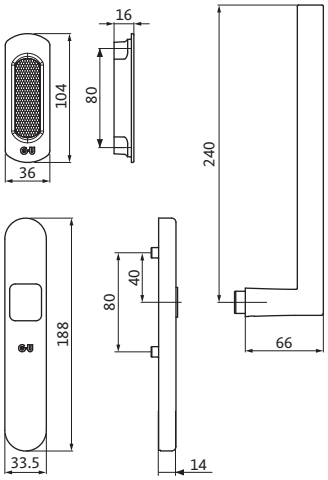
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1

BELCANTO – interior L&S turn handle, without PC hole

with exterior flush pull

Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



BELCANTO – interior L&S turn handle, without PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
BELCANTO L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-17015-00-0-8
	90°	stainless steel	with lugs	no	1	K-17020-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle, without PC hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

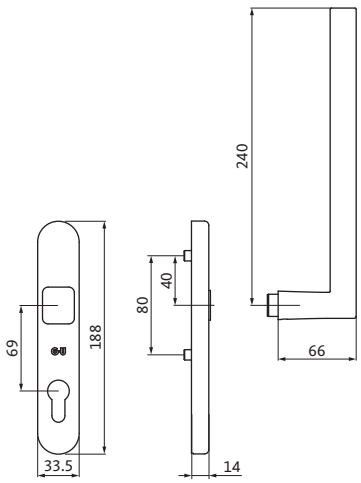
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1

BELCANTO – interior L&S turn handle, with PC hole

without flush pull

Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



BELCANTO – interior L&S turn handle, with PC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
BELCANTO L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-17014-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17019-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle, with PC-hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

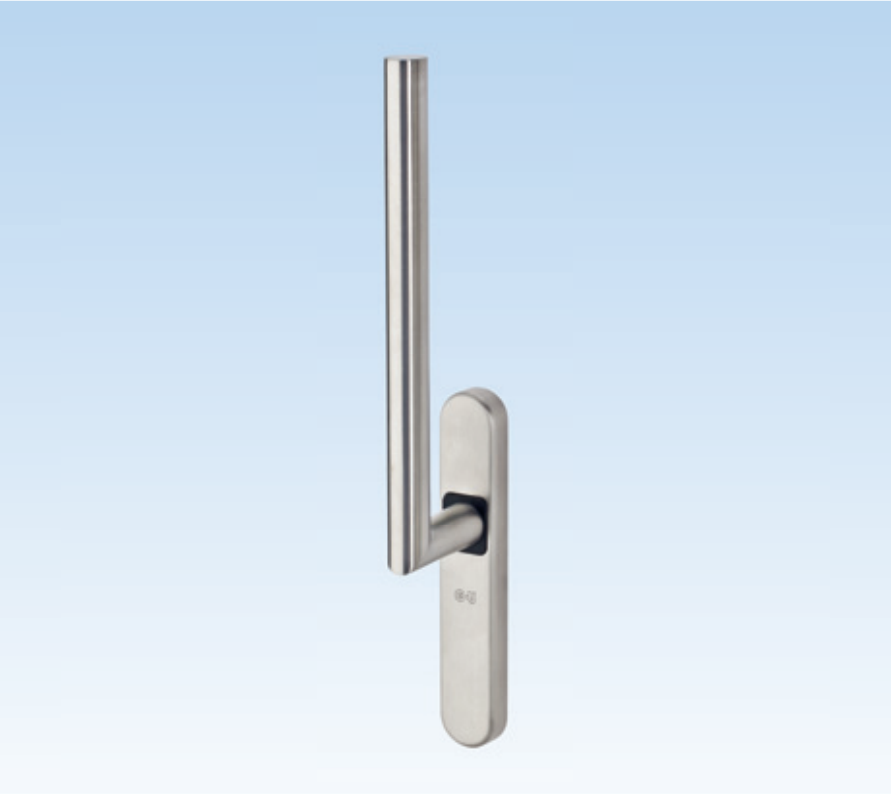
Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	6-27272-01-0-1

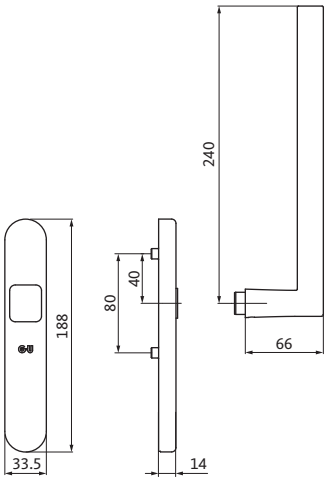
BELCANTO – interior L&S turn handle, without PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



BELCANTO – interior L&S turn handle, without PC hole

without flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
BELCANTO L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	yes	1	K-17013-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17018-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

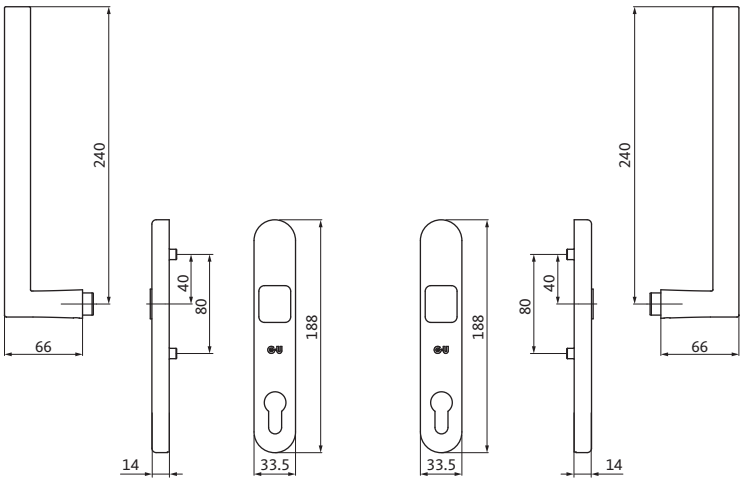
Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	6-27272-01-0-1

BELCANTO – L&S interior/exterior handle set, with PC hole

Product information

- High-quality stainless steel turn handles, interior and exterior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



BELCANTO – L&S interior/exterior handle set, with PC hole

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
BELCANTO L&S turn handle interior/exterior, with PC hole	180°	stainless steel	with lugs	yes	1	K-17017-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17022-00-0-8

Contents	Piece(s)
BELCANTO interior/exterior L&S turn handle, with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (suitable for ST up to 90 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately in the event of deviating sash thicknesses.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

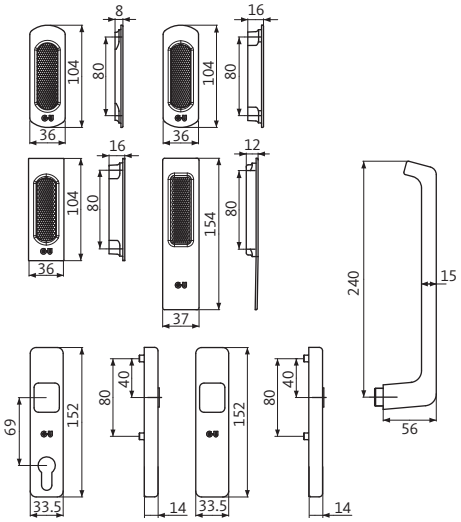
Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	70	9-13274-70-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	Included in PU for turn handle
	90		
	92		
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1



Product information

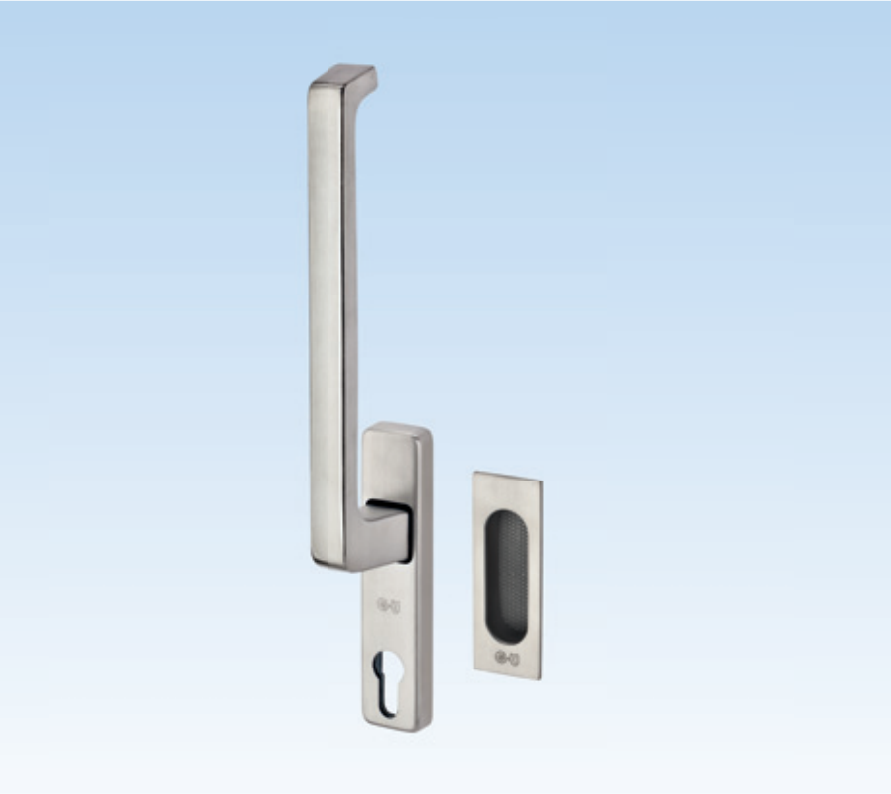
- High-quality stainless steel turn handles, optionally with
  – Dummy backplate
  – Profile cylinder hole (PC)
- With 10 mm square spindle and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16

Some products in this series are suitable for

CE EN 13126-16

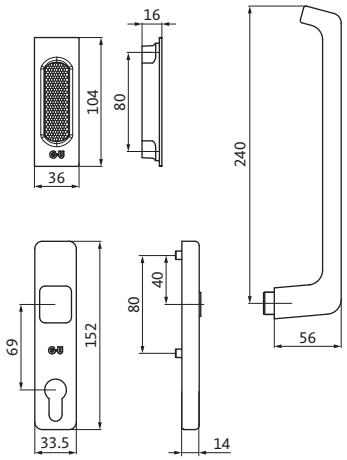
DIRIGENT – interior L&S turn handle, with PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, with PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
DIRIGENT L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes	1	K-16794-00-0-8
	90°	stainless steel	with lugs	yes	1	K-16860-00-0-8

Contents	Piece(s)
DIRIGENT interior L&S turn handle, with PC hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

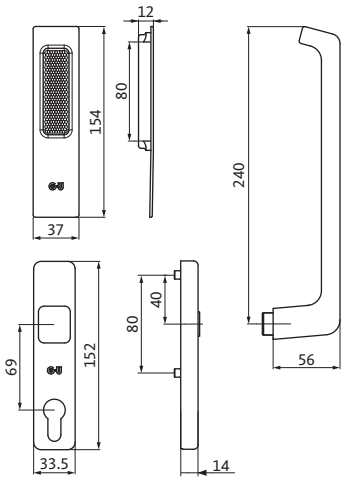
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1

DIRIGENT – interior L&S turn handle, with PC hole

with extended exterior flush pull

Product information

- High-quality aluminium turn handle, interior, with PC-hole
- Extended exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, with PC hole

with extended exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle inside, with PC-hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13266-00-0-1
					dark brown [1]	1	K-13266-00-0-5
					white, RAL 9016	1	K-13266-00-0-7
	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13263-00-0-1
					dark brown [1]	1	K-13263-00-0-5
					white, RAL 9016	1	K-13263-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle, with PC hole	1
L&S flush pull, extended	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

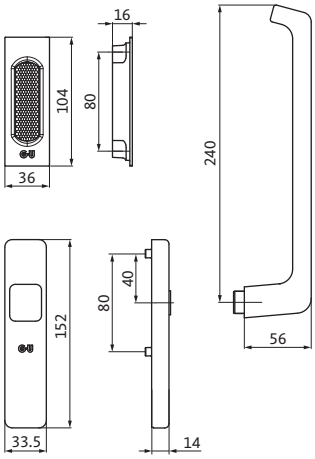
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1

DIRIGENT – interior L&S turn handle, without PC hole

with exterior flush pull

Product information

- High-quality stainless steel turn handle, interior, without PC-hole
- Exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, without PC hole

with exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no	1	K-16793-00-0-8
	90°	stainless steel	with lugs	no	1	K-16859-00-0-8

Contents	Piece(s)
DIRIGENT interior L&S turn handle, without PC hole	1
L&S flush pull	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers

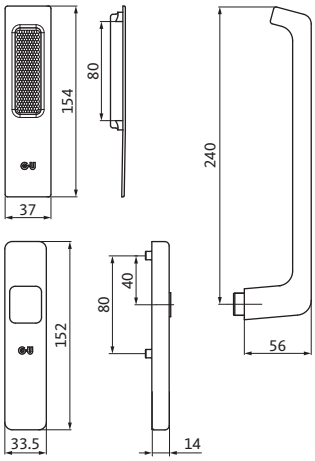
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1

DIRIGENT – interior L&S turn handle, without PC hole

with extended exterior flush pull

Product information

- High-quality aluminium turn handle, interior, without PC-hole
- Extended exterior flush pull
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thickness up to 56 mm, fixed square spindle
- Suitable for sash thickness from 68 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, without PC hole

with extended exterior flush pull

L&S turn handles

Versions/order numbers

Designation	Detent	ST [mm]	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	up to 56 [1]	aluminium	with lugs	no	silver/EV 1 look	1	K-13265-00-0-1
						dark brown [3]	1	K-13265-00-0-5
						white, RAL 9016	1	K-13265-00-0-7
	180°	up to 78 [2]	aluminium	with lugs	no	silver/EV 1 look	1	K-13785-00-0-1
						dark brown [3]	1	K-13785-00-0-5
						white, RAL 9016	1	K-13785-00-0-7
	90°	up to 56 [1]	aluminium	with lugs	no	silver/EV 1 look	1	K-13262-00-0-1
						dark brown [3]	1	K-13262-00-0-5
						white, RAL 9016	1	K-13262-00-0-7
	90°	up to 78 [2]	aluminium	with lugs	no	silver/EV 1 look	1	K-13787-00-0-1
						dark brown [3]	1	K-13787-00-0-5
						white, RAL 9016	1	K-13787-00-0-7

[1] Square spindle, fixed
[2] Square spindle, adjustable
[3] Similar to RAL 8022

Contents (with ST up to 56 mm)	Piece(s)
DIRIGENT interior L&S turn handle, without PC hole	1
L&S flush pull, extended	1
Square spindle (suitable for ST up to 56 mm)	1

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Contents (with ST up to 78 mm)	Piece(s)
DIRIGENT interior L&S turn handle, without PC hole	1
L&S flush pull, extended	1
Square spindle (suitable for ST 68 to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.
Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

DIRIGENT – interior L&S turn handle, without PC hole

with extended exterior flush pull

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

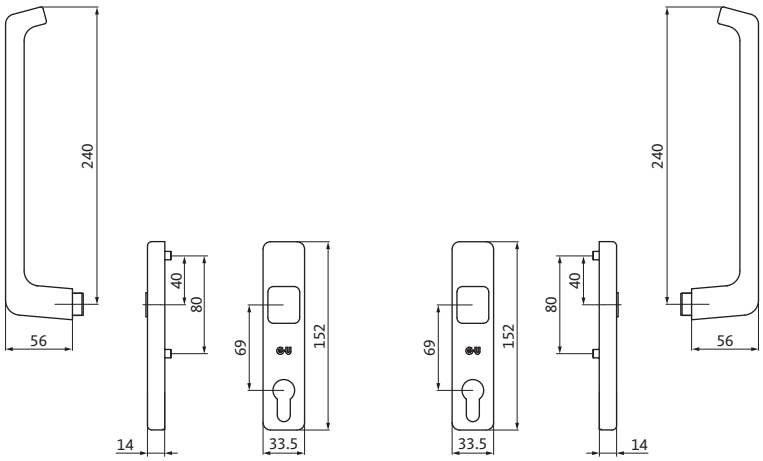
Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1

DIRIGENT – L&S interior/exterior handle set, with PC hole

Product information

- High-quality aluminium, stainless steel or brass turn handles, interior and exterior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



DIRIGENT – L&S interior/exterior handle set, with PC hole

L&S turn handles – aluminium

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle interior/exterior, with PC hole, **with fixing screws**	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13267-00-0-1
					dark brown [1]	1	K-13267-00-0-5
					white, RAL 9016	1	K-13267-00-0-7
	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13264-00-0-1
					dark brown [1]	1	K-13264-00-0-5
					white, RAL 9016	1	K-13264-00-0-7
For aluminium profiles only							
DIRIGENT L&S turn handle interior/exterior, with PC hole, **without fixing screws**	180°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24615-96-0-1
					dark brown [1]	1	6-24615-96-0-5
					white, RAL 9016	1	6-24615-96-0-7
	90°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24616-96-0-1
					dark brown [1]	1	6-24616-96-0-5
					white, RAL 9016	1	6-24616-96-0-7

[1] Similar to RAL 8022

L&S turn handles – stainless steel

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle interior/exterior, with PC hole, **with fixing screws**	180°	stainless steel	with lugs	yes		1	K-16795-00-0-8
	90°	stainless steel	with lugs	yes		1	K-16861-00-0-8

L&S turn handles – brass

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle interior/exterior, with PC hole, **without fixing screws**	180°	polished brass	with lugs	yes		1	6-26731-00-0-B
	90°	polished brass	with lugs	yes		1	6-26732-00-0-B

Contents: set, DIRIGENT turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior/exterior L&S turn handle set, with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (suitable for ST up to 90 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.
Note about fixing screws: The fixing screws must be ordered separately in the event of deviating sash thicknesses.

DIRIGENT – L&S interior/exterior handle set, with PC hole

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	70	9-13274-70-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3 *
	90	100	9-13274-97-R-3 *
	92	100	9-13274-97-R-3 *
	110	125	9-13274-96-R-1

* Order only with version without lugs

Drilling jigs

Versions/order numbers

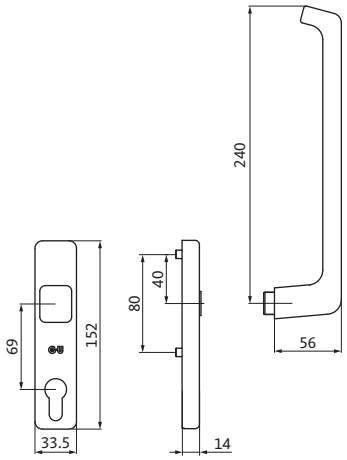
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

DIRIGENT – interior L&S turn handle, with PC hole

without flush pull

Product information

- High-quality aluminium, stainless steel or brass turn handle, interior, with PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, with PC hole

without flush pull

L&S turn handles – aluminium

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
For aluminium profiles only							
DIRIGENT L&S turn handle inside, with PC-hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	6-24607-00-0-1
					dark brown [1]	1	6-24607-00-0-5
					white, RAL 9016	1	6-24607-00-0-7
	180°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24609-00-0-1
					dark brown [1]	1	6-24609-00-0-5
					white, RAL 9016	1	6-24609-00-0-7
	90°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24614-00-0-1
					dark brown [1]	1	6-24614-00-0-5
					white, RAL 9016	1	6-24614-00-0-7

[1] Similar to RAL 8022

L&S turn handles – stainless steel

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle inside, with PC-hole	180°	stainless steel	with lugs	yes		1	K-16805-00-0-8
	90°	stainless steel	with lugs	yes		1	K-16865-00-0-8

L&S turn handles – brass

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle inside, with PC-hole	180°	polished brass	with lugs	yes		1	6-26728-02-0-B
	90°	polished brass	with lugs	yes		1	6-26729-02-0-B

Contains: DIRIGENT L&S turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior L&S turn handle, with PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

DIRIGENT – interior L&S turn handle, with PC hole

without flush pull

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers

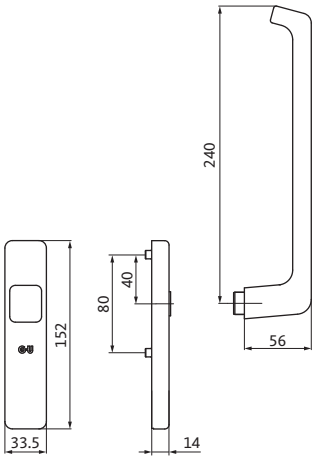
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

DIRIGENT – interior L&S turn handle, without PC hole

without flush pull

Product information

- High-quality aluminium, stainless steel or brass turn handle, interior, without PC-hole
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle, without PC hole

without flush pull

L&S turn handles – aluminium

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	aluminium	with lugs	no	silver/EV 1 look	1	6-24606-00-0-1 [2]
					dark brown [1]	1	6-24606-00-0-5 [2]
					white, RAL 9016	1	6-24606-00-0-7 [2]
	180°	aluminium	without lugs	no	silver/EV 1 look	1	6-24608-00-0-1
					dark brown [1]	1	6-24608-00-0-5
					white, RAL 9016	1	6-24608-00-0-7
	90°	aluminium	without lugs	no	silver/EV 1 look	1	6-24613-00-0-1
					dark brown [1]	1	6-24613-00-0-5
					white, RAL 9016	1	6-24613-00-0-7

[1] Similar to RAL 8022 [2] ST up to 78 mm, square spindle not adjustable

L&S turn handles – stainless steel

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	stainless steel	with lugs	no		1	K-16804-00-0-8

L&S turn handles – brass

Versions/order numbers

Designation	Detent	Material	Version	Lockable		PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	polished brass	with lugs	no		1	6-26728-01-0-B
	90°	polished brass	with lugs	no		1	6-26729-01-0-B

Contains: DIRIGENT L&S turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST up to 80 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.
Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

DIRIGENT – interior L&S turn handle, without PC hole

without flush pull

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

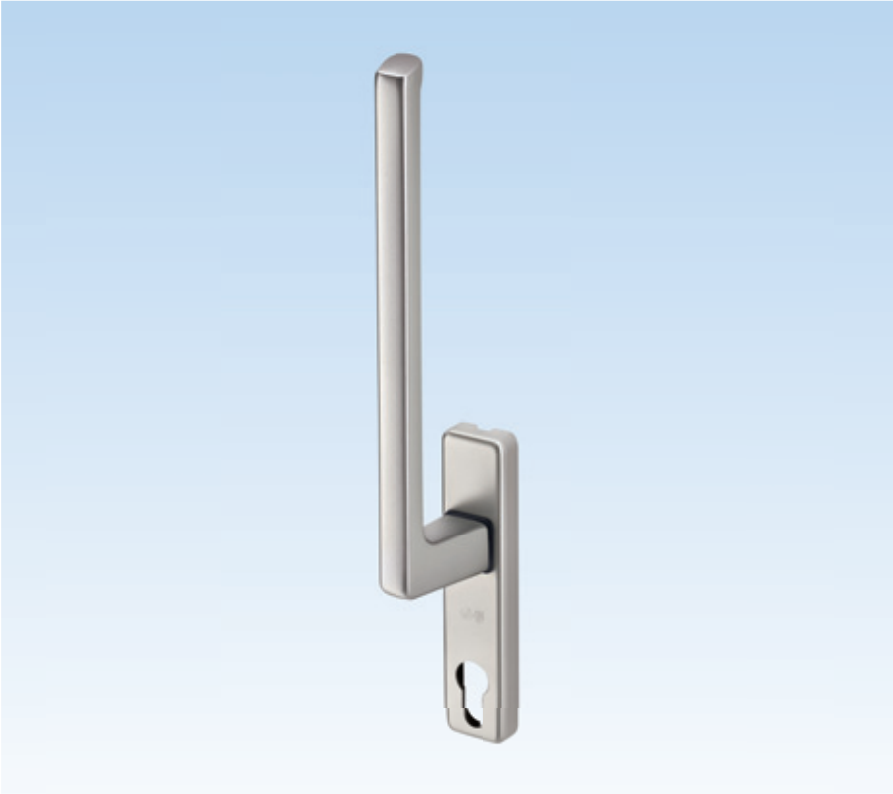
Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	6-27272-01-0-1

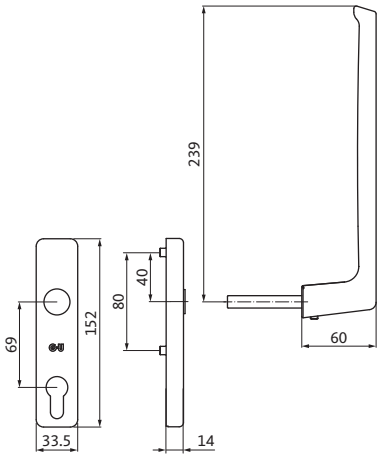
DIRIGENT – interior L&S turn handle, with PC hole

without flush pull, removable



Product information

- High-quality aluminium turn handle, interior, with PC-hole
- Removable, suitable for customer's own coating
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm



DIRIGENT – interior L&S turn handle, with PC hole

without flush pull, removable

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle inside, with PC-hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-17397-00-0-1
					dark brown [1]	1	K-17397-00-0-5
					white, RAL 9016	1	K-17397-00-0-7
	For aluminium profiles only						
	180°	aluminium	without lugs	yes	silver/EV 1 look	1	K-17399-00-0-1
					dark brown [1]	1	K-17399-00-0-5
					white, RAL 9016	1	K-17399-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle, with PC hole	1
Square spindle (suitable for ST 110 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	Included in PU for turn handle

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

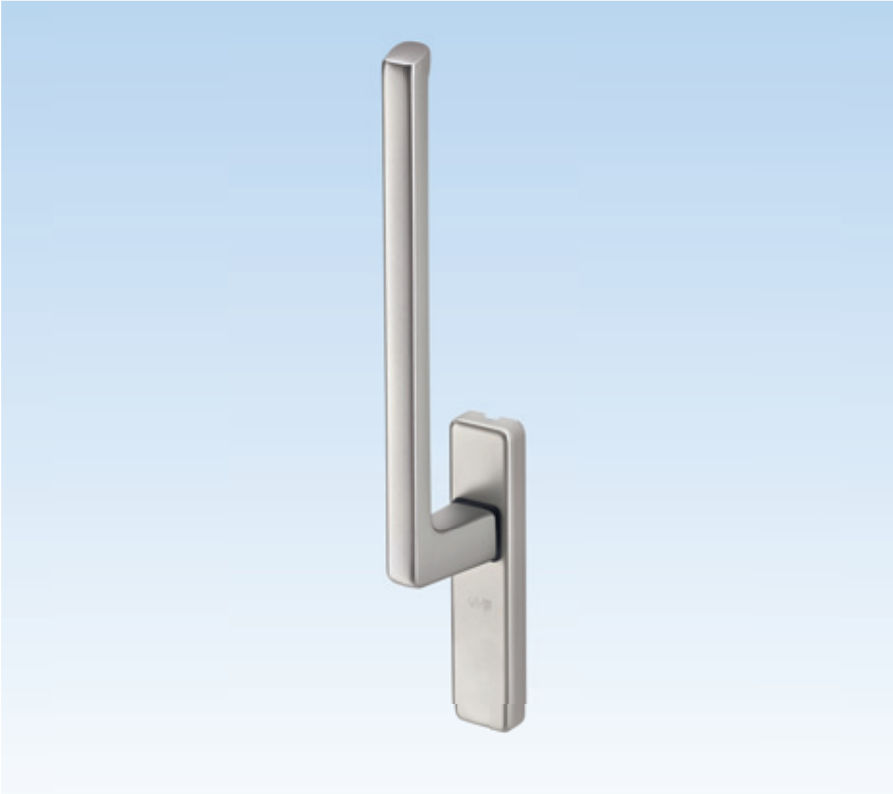
Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

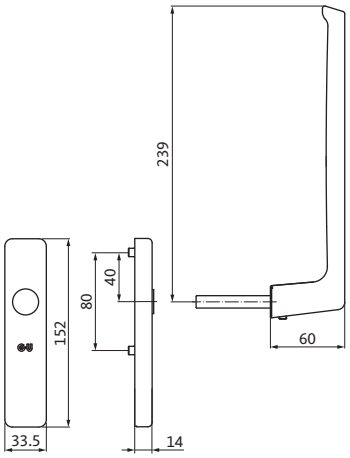
DIRIGENT – interior L&S turn handle, without PC hole

without flush pull, removable



Product information

- High-quality aluminium turn handle, interior
- Removable, suitable for customer's own coating
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm



DIRIGENT – interior L&S turn handle, without PC hole

without flush pull, removable

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle inside, without PC-hole	180°	aluminium	with lugs	no	silver/EV 1 look	1	K-17396-00-0-1
					dark brown [1]	1	K-17396-00-0-5
					white, RAL 9016	1	K-17396-00-0-7
	For aluminium profiles only						
	180°	aluminium	without lugs	no	silver/EV 1 look	1	K-17398-00-0-1
					dark brown [1]	1	K-17398-00-0-5
					white, RAL 9016	1	K-17398-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle, without PC hole	1
Square spindle (suitable for ST 110 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	Included in PU for turn handle

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

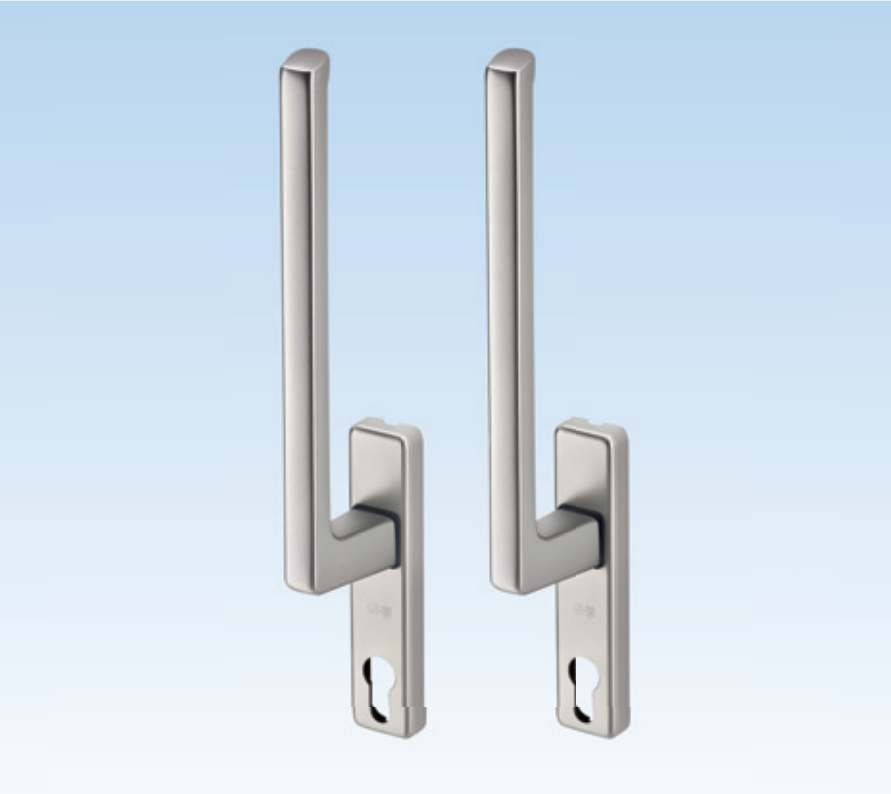
Drilling jigs

Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

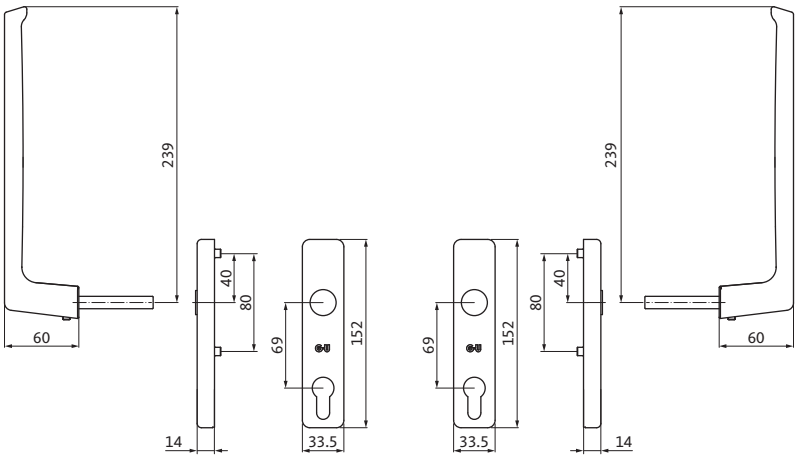
DIRIGENT – L&S interior/exterior handle set, with PC hole

removable



Product information

- High-quality aluminium turn handles, internal and external, with PC-hole
- Removable, suitable for customer's own coating
- With 10 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220



DIRIGENT – L&S interior/exterior handle set, with PC hole

removable

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle interior/exterior, with PC hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-17400-00-0-1
					dark brown [1]	1	K-17400-00-0-5
					white, RAL 9016	1	K-17400-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior/exterior L&S turn handle set, with PC hole	1
Square spindle (suitable for ST 92 mm)	1

Note about square spindle: If the sash thicknesses differ, the square spindle must be ordered separately.

Note about fixing screws: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	9-24377-96-0-1
	68	145	9-24377-96-0-1
	78	145	9-24377-96-0-1
	88	145	9-24377-96-0-1
	90	145	9-24377-96-0-1
	92	150	Included in PU for turn handle
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	70	9-13274-70-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3
	90	100	9-13274-97-R-3
	92	100	9-13274-97-R-3
	110	125	9-13274-96-R-1

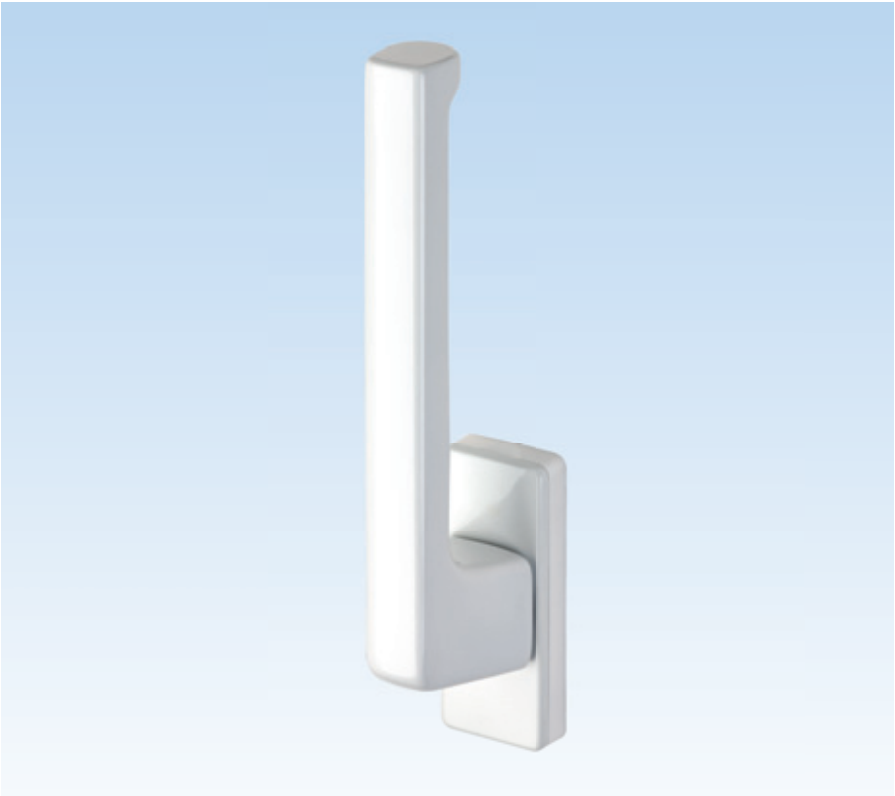
Drilling jigs

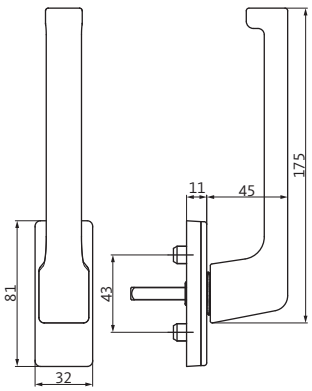
Versions/order numbers

Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-1

DIRIGENT – HL interior L&S turn handle, without PC hole

for light Lift&Slide elements





Product information

- High-quality aluminium turn handle, interior, without PC-hole
- Version with 7 x 37 mm square spindle
- Distance between screw centres 43 mm
- The square spindle can be enlarged to 10 mm (requires handle adapter set K-16554-01-0-1)
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 120 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 56 mm
- Handle length 160 mm
- Handle height 58 mm

DIRIGENT – HL interior L&S turn handle, without PC hole

for light Lift&Slide elements

Versions/order numbers – L&S turn handle

Designation	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT HL L&S turn handle inside, without PC-hole	aluminium	with lugs	no	silver/EV 1 look	1	6-31809-37-0-1
				dark brown [1]	1	6-31809-37-0-5
				white, RAL 9016	1	6-31809-37-0-7

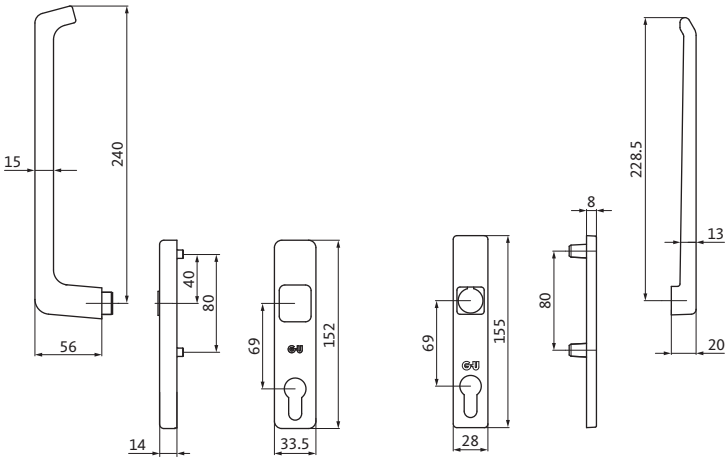
[1] Similar to RAL 8022

Versions/order numbers – required accessories

Designation	PU	Order no.
Handle adapter set	1	K-16554-01-0-1
Contains: 1 x fixing plate, 1 x reduction insert, fixing screws		

DIRIGENT – L&S interior/exterior handle set, with PC hole

flat on the outside – exterior height 30 mm



Product information

- High-quality aluminium turn handles, internal and external, with PC-hole
- With 8 mm square spindle and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 17
- Suitable for sash thickness up to 110 mm, square spindle can be cropped to necessary sash thickness
- Interior handle
  – Handle length 240 mm
  – Handle height 70 mm
- Exterior handle
  – Handle length 228.5 mm
  – Handle height 30 mm
- **Note:** We recommend the use of a buffer – see pages 219 + 220

DIRIGENT – L&S interior/exterior handle set, with PC hole

flat on the outside – exterior height 30 mm

L&S turn handles

Versions/order numbers

Designation	Detent	Material	Version	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle interior/exterior, with PC hole	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-12919-00-0-1
					dark brown [1]	1	K-12919-00-0-5
					white, RAL 9016	1	K-12919-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior/exterior L&S turn handle set, with PC hole	1
Fixing screws M6 x 75 mm (suitable for ST up to 56 mm)	2

Note regarding square spindle: the square spindle must be ordered separately, depending on the sash thickness.

Note about fixing screws: The fixing screws must be ordered separately in the event of deviating sash thicknesses.

Square spindle

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 8 mm	up to 88	90	9-30482-90-0-1
	› 88	135	9-30482-95-0-1
	› 88	150	9-30482-96-0-1

Fixing screws

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	75	Included in PU for turn handle
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3
	90	100	9-13274-97-R-3
	92	100	9-13274-97-R-3
	110	125	9-13274-96-R-1

Reduction insert

for mounting 8 mm square spindles in 10 mm square spindle mounts

Versions/order numbers

Designation	PU	Order no.
Reduction insert	1	9-43986-00-0-1

Drilling jigs

Versions/order numbers

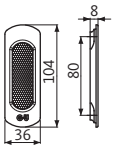
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – **timber profiles**	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – **PVC profiles**	1	9-27272-00-0-1
Drilling jig for the installation of turn handles – **aluminium profiles with Euro-groove**	1	9-27272-01-0-1

Accessories

L&S flush pull, round

Product information

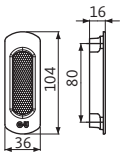
- High-quality flush pull made of stainless steel
- Distance between screw centres 80 mm
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



L&S flush pull, stainless steel

Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull, round	yes	6 mm	without lugs	silver/EV 1 look	1	9-46686-00-0-1
				dark brown [1]	1	9-46686-00-0-5
				white, RAL 9016	1	9-46686-00-0-7
				stainless steel	1	9-46686-00-0-8
L&S flush pull, round	yes	6 + 3 mm	with lugs (3 mm)	stainless steel	1	9-46686-01-0-8

[1] Similar to RAL 8022



L&S flush pull, stainless steel

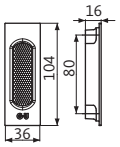
Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull, round	yes	14 mm	without lugs	stainless steel	1	9-39035-01-0-8
L&S flush pull, round	no	14 mm	without lugs	stainless steel	1	9-39035-02-0-8

Accessories

L&S flush pull, square

Product information

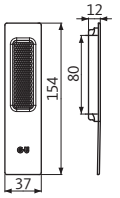
- High-quality flush pull made of stainless steel, aluminium or brass
- Distance between screw centres 80 mm
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25,000 cycles in compliance with DIN 13126 part 16



L&S flush pull, stainless steel

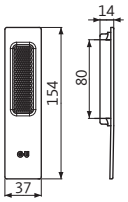
Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull, square	yes	14 mm	without lugs	stainless steel	1	9-42539-01-0-8
L&S flush pull, square	no	14 mm	without lugs	stainless steel	1	9-42539-02-0-8
Sec L&S flush pull, square	no	12 mm	without lugs	silver/EV 1 look	1	9-29622-00-0-1
				dark brown [1]	1	9-29622-00-0-5
				white, RAL 9016	1	9-29622-00-0-7
				stainless steel	1	9-29622-00-0-8

[1] Similar to RAL 8022



L&S flush pull, stainless steel

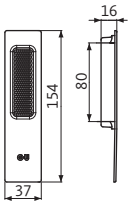
Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull, square	yes	10 mm	without lugs	stainless steel	1	9-42737-01-0-8
L&S flush pull, square	no	10 mm	without lugs	stainless steel	1	9-42737-00-0-8



L&S flush pull, aluminium

Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull MS, square	yes	10 mm	without lugs	silver/EV 1 look	1	9-29992-02-0-1
				dark brown [1]	1	9-29992-02-0-5
				white, RAL 9016	1	9-29992-02-0-7
L&S flush pull MS, square	yes	11 mm	without lugs	silver/EV 1 look	1	9-29992-01-0-1
				dark brown [1]	1	9-29992-01-0-5
				white, RAL 9016	1	9-29992-01-0-7
L&S flush pull, square	yes	16 mm	without lugs	silver/EV 1 look	1	9-29526-00-0-1
				dark brown [1]	1	9-29526-00-0-5
				white, RAL 9016	1	9-29526-00-0-7

[1] Similar to RAL 8022



L&S flush pull, brass

Designation	GU logo	Overall depth	Version	Finish	PU	Order no.
L&S flush pull MS, square	yes	14 mm	without lugs	brass	1	9-34957-00-0-B

Accessories

Service handle, cover rosette

DIRIGENT service handle

Versions/order numbers

Designation	Finish	PU	Order no.
DIRIGENT service handle Handle length 240 mm	silver/EV 1 look	1	6-24619-00-0-1
	dark brown [1]	1	6-24619-00-0-5
	white, RAL 9016	1	6-24619-00-0-7

[1] Similar to RAL 8022

Interior cover rosette

without PC-hole

Versions/order numbers

Designation	Finish	PU	Order no.
Interior cover rosette without PC-hole	silver/EV 1 look	1	6-23243-01-0-1
	dark brown [1]	1	6-23243-01-0-5
	white, RAL 9016	1	6-23243-01-0-7

[1] Similar to RAL 8022

Interior cover rosette

with PC-hole

Versions/order numbers

Designation	Finish	PU	Order no.
Interior cover rosette with PC-hole	silver/EV 1 look	1	6-23243-02-0-1
	dark brown [1]	1	6-23243-02-0-5
	white, RAL 9016	1	6-23243-02-0-7

[1] Similar to RAL 8022

Exterior cover rosette

Versions/order numbers

Designation	Finish	PU	Order no.
Exterior cover rosette	silver/EV 1 look	1	9-29527-00-0-1
	dark brown [1]	1	9-29527-00-0-5
	white, RAL 9016	1	9-29527-00-0-7

[1] Similar to RAL 8022

Set of cover discs

Versions/order numbers

Designation	Finish	PU	Order no.
Set of cover discs	silver/EV 1 look	1	K-17481-00-0-1
	dark brown [1]	1	K-17841-00-0-5
	black	1	K-17841-00-0-6
	white, RAL 9016	1	K-17841-00-0-7
	stainless steel appearance	1	K-17841-00-0-8

Contains: 1 x cover disc, 1 x bushing, fixing screws
[1] Similar to RAL 8022

Accessories

Gasket plates

Gasket plate for exterior and interior turn handle

The optional gasket plate which is universally applicable for all handle models provides increased tightness, especially in Blower Door Tests. The profile cylinder insert is removable so the gasket ensures optimal sealing for all handle variants.

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate for turn handle	black	1	9-47210-01-0-6

Gasket plate for flush pull

The optional gasket plate which is universally applicable for all flush pulls provides increased tightness, especially in Blower Door Tests. The adaptable gasket plate ensures optimal sealing for all flush pull models.

Versions/order numbers

Designation	Finish	PU	Order no.
Gasket plate for flush pull	black	1	9-47211-01-0-6

Square spindles

The length of the optional square spindles must be determined depending on the spindle hole depth of the lock case. Wrongly dimensioned or short square spindles are not permissible as they cause damage to the window gear and the turn handle.

Versions/order numbers

Designation	ST [mm]	Interior turn handle / exterior flush pull / exterior cover rosette		Interior/exterior handle set	
		Length [mm]	Order no.	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1	145	9-24377-96-0-1
	68	80	9-24377-40-0-1	145	9-24377-96-0-1
	78	80	9-24377-40-0-1	145	9-24377-96-0-1
	88	90	9-24377-50-0-1	145	9-24377-96-0-1
	90	90	9-24377-50-0-1	145	9-24377-96-0-1
	92	90	9-24377-50-0-1	150	9-24377-15-0-1
	110	100	9-24377-60-0-1	170	9-24377-18-0-1

Versions/order numbers

Designation	ST [mm]	Length [mm]	Order no.
Square spindle 8 mm	up to 88	90	9-30482-90-0-1
	> 88	135	9-30482-95-0-1
	> 88	150	9-30482-96-0-1

Reduction insert

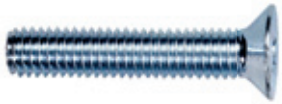
for mounting 8 mm square spindles in 10 mm square spindle mounts

Versions/order numbers

Designation	PU	Order no.
Reduction insert	1	9-43986-00-0-1

Accessories

Fixing screws



Fixing screws

The approved Lift&Slide handles must be screwed into the mounting thread of the gear lock case using 2 metric screws M6 x length. Make sure that the full length of the threads is used. Fastening the handles on the sash using screws for timber constructions is not permitted.

Versions/order numbers

Designation	ST [mm]	Interior turn handle / exterior flush pull / exterior cover rosette		Interior/exterior handle set	
		Length [mm]	Order no.	Length [mm]	Order no.
Fixing screw M6	56	65	9-13274-65-0-1	70	9-13274-70-0-1
	68	75	9-13274-75-0-1	80	9-13274-80-0-1
	78	85	9-13274-85-0-1	90	9-13274-90-0-1
	88	95	9-13274-95-R-1	100	9-13274-97-R-3
	90	95	9-13274-95-R-1	100	9-13274-97-R-3
	92	100	9-13274-97-R-3	100	9-13274-97-R-3
	110	110	9-13274-98-R-3	125	9-13274-96-R-1

Additional information

Table of contents

Lift&Slide hardware

Product information 484

Structural sealing of Lift&Slide elements 486

Thresholds

Versions and application ranges 488
Pre-assembly to the required dimension 490
Crucial lengths for ordering profiles and long parts 492

Turn handles and flush pulls

Materials and finishes 504
Drilling-hole patterns and dimensions 505

List of abbreviations 506

Lift&Slide hardware

Product information

Applications

With Lift&Slide hardware from Gretsch-UNitas, it is possible to produce Lift&Slide elements as

- Lift&Slide doors in 2- to 6-part versions and
- Lift&Slide windows in 2- to 6-part versions.

All Lift&Slide elements are each

- fitted with a threshold or a timber threshold with a frame cover profile and
- with a guide track

track. Depending on the respective system, the sash thickness and the sash distance may vary.

Feasible, system-dependent sash thicknesses:

- 56 mm, 68 mm, 78 mm, 88 mm, 90 mm, 92 mm, 110 mm

Feasible, system-dependent sash distances:

- 10 mm, 22 mm, 25 mm, 28 mm

Comfort application range with the HS LiftUnit

L&S bogie GU-934 in combination with HS LiftUnit = sash weights up to max. 350 kg
L&S tandem bogie GU-934 in combination with HS LiftUnit = sash weights up to max. 600 kg

Lift&Slide hardware – versions

Designation	Opening type		Sash configuration	Sash weight [kg]	Sash distance [mm]	Sash height [mm]	Sash width [mm]
	Door	Window					
GU-934	■	–	Patterns A to L	max. 350 [1]	10 to 28	1851 – 2750 [2]	700 – 3300
	–	■	Patterns A to L	max. 350 [1]	10 to 28	850 – 1850 [2]	700 – 3300

[1] When also using the L&S tandem bogie GU-934, up to max. 600 kg
[2] Sash heights up to 3250 mm when using the gear extension; sash heights up to 3750 mm are available on request

Standard application

Lift&Slide hardware – versions

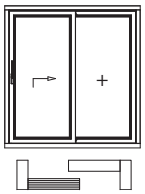
Designation	Opening type		Sash configuration	Sash weight [kg]	Sash distance [mm]	Sash height [mm]	Sash width [mm]
	Door	Window					
GU-934	■	–	Patterns A to L	max. 350 [1]	10 to 28	1851 – 2750 [3]	700 – 3300
	–	■	Patterns A to L	max. 350 [1]	10 to 28	850 – 1850 [3]	700 – 3300
GU-937	■	–	Patterns A to L	max. 200 [2]	10 to 28	1851 – 2750 [3]	700 – 3300
	–	■	Patterns A to L	max. 200 [2]	10 to 28	850 – 1850 [3]	700 – 3300

[1] When also using the tandem bogie GU-934, up to max. 400 kg; sash weights heavier than 400 kg are only permitted in combination with HS LiftUnit
[2] When also using the tandem bogie GU-937 up to max. 400 kg
[3] Sash heights up to 3250 mm when using the gear extension; sash heights up to 3750 mm are available on request

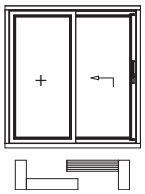
Sash configuration according to patterns A to L

The patterns to be implemented are system-dependent.

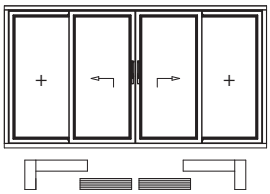
In Chapter 1.0 | System overviews for timber Lift&Slide elements, you will find the respective, possible patterns for all the systems.



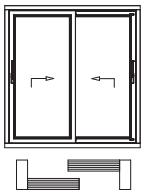
Pattern A
1 Lift&Slide door
1 fixed-glazed sash
Fig.: sliding direction to the right



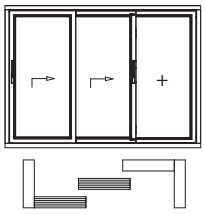
Pattern A3
1 Lift&Slide door
1 fixed-glazed sash
Drawing: sliding direction to the left



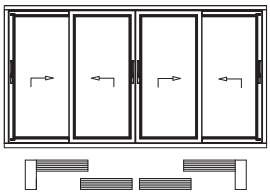
Pattern C
2 Lift&Slide doors
2 fixed-glazed sashes
Fig: sliding direction to the right and left



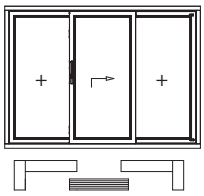
Pattern D
2 Lift&Slide doors
Fig: sliding direction to the right and left



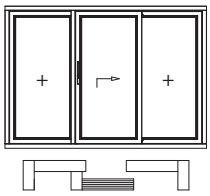
Pattern E
2 Lift&Slide doors
1 fixed-glazed sash
Fig.: sliding direction to the right



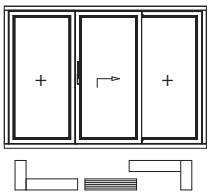
Pattern F
4 Lift&Slide doors
Fig: sliding direction to the right and left



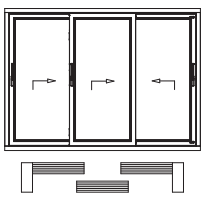
Pattern G1 symmetrical
1 Lift&Slide door
2 fixed-glazed sashes
Fig.: sliding direction to the right



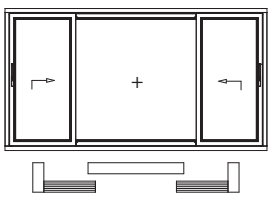
Pattern G2 asymmetrical
With fixed mullion
1 Lift&Slide door
2 fixed-glazed sashes
Fig.: sliding direction to the right



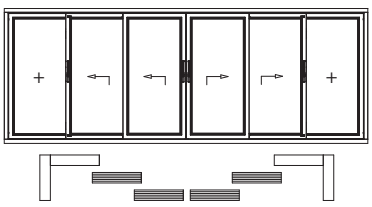
Pattern G3 symmetrical
1 Lift&Slide door
2 fixed-glazed sashes
Fig.: sliding direction to the right



Pattern H
3 Lift&Slide doors
Fig: sliding direction to the right and left



Pattern K
2 Lift&Slide doors
1 fixed-glazed sash
Fig: sliding direction to the right and left



Pattern L
4 Lift&Slide doors
2 fixed-glazed sashes
Fig: sliding direction to the right and left

Structural sealing

Instructions for the installation of a Lift&Slide element in the structure

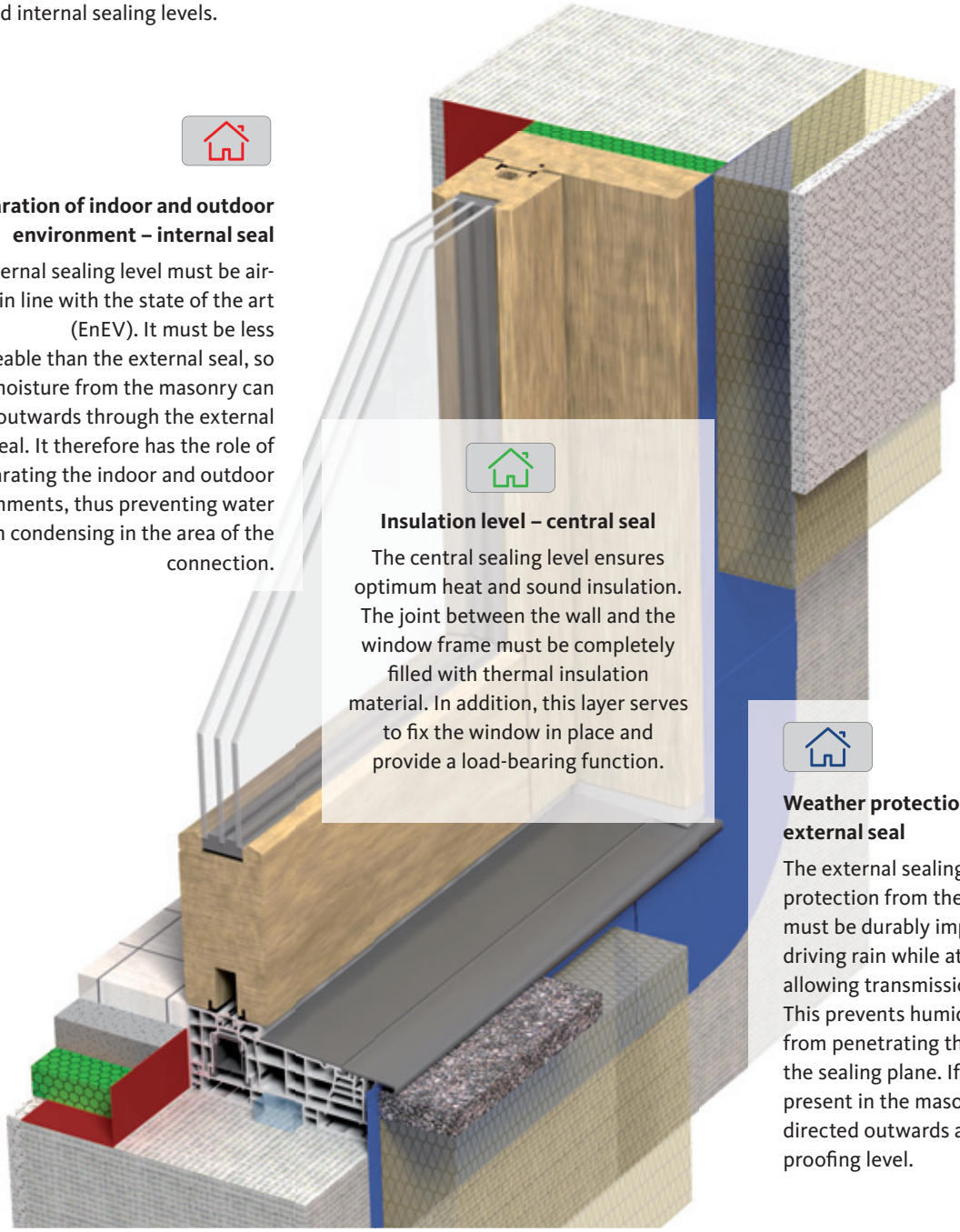
Three indispensable functions for the joint

Although the inhabitants of a house or an apartment do not recognize the quality of the professional window seal between a window and the masonry at first glance, it is still crucial for the proper function of the element.

This connection (joint) must fulfil several functions.
The sealing has a three-stage design to prevent these functions from hindering each other. A proper seal only works most effectively when there is an interplay between the external, central and internal sealing levels.

The ideal version of the three sealing levels prevents humidity-related structural damage and creates a healthy room climate.

Our perfectly coordinated components create a complete sealing system. In this way, Gretsch-Unitas not only fulfils all aspects of energy saving in line with the relevant regulations, but also satisfies the desire for an extremely high degree of living comfort.



Separation of indoor and outdoor environment – internal seal

The internal sealing level must be air-tight in line with the state of the art (EnEV). It must be less permeable than the external seal, so that moisture from the masonry can move outwards through the external seal. It therefore has the role of separating the indoor and outdoor environments, thus preventing water from condensing in the area of the connection.

Insulation level – central seal

The central sealing level ensures optimum heat and sound insulation. The joint between the wall and the window frame must be completely filled with thermal insulation material. In addition, this layer serves to fix the window in place and provide a load-bearing function.

Weather protection level – external seal

The external sealing level serves as protection from the weather and must be durably impermeable to driving rain while at the same time allowing transmission of vapour. This prevents humidity and moisture from penetrating the masonry via the sealing plane. If moisture is present in the masonry, this is directed outwards at this weather-proofing level.

GU-installation set for Lift&Slide elements

Sealing of threshold at bottom horizontal (you can find the necessary ordering information on pages 233 and 253)

Application areas

- Sealing of Lift&Slide doors and windows against components in contact with the ground, such as cellar walls and ground slabs
- Sealing against ground moisture (capillary water, retained water) and non-accumulating seepage water (in allusion to DIN 18195 Part 4)
- Sealing of balconies and patios in the outdoor areas

Processing

With the pre-assembled installation corners from Gretsch-Unitas, you can create corner connections quickly, cost-effectively and permanently. The corners are supplied with a flank length of 400 mm and a width of 200 mm. The surfaces to be glued on the component, the frame and the masonry must be clean and free of dust, grease, ice, standing water and separating agents. Strongly sucking substrates are pre-treated with GU primer (bonding agent): in 1 square metre 100 g of the GU primer should be applied – for example, with a brush – and then be ventilated thoroughly. The drying time depends on the temperature and the air humidity. The products from GU are covered with a webbed lamination and so are suitable as plaster bases.

Characteristics

- System tested by MPA Hanover, Germany
- Self-adhesive, simple to work with, immediately functioning
- Resistant to aging and weathering, UV-stabilised
- High resistance to tear and tear propagation due to cross-lamination of the film
- Water pressure tight up to 5 bar (foil side)
- Solvent-free, bitumen-free, bitumen-compatible, non-corrosive
- Smooth film surface with webbing
- Thermal stability -40 °C to +90 °C
- Pretreat substrate with GU primer
- Fire behaviour B2 (euro class E)
- Compound material butyl, sd-value 150 m and webbing sd-value 0.5 m
- Material thickness 1.0 mm +/- 0.2 mm

GU sealing systems

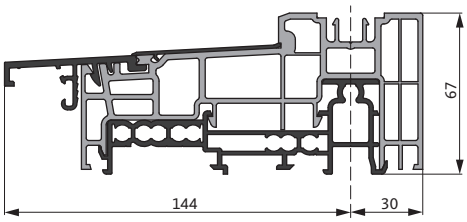
You can find products for sealing the various sealing levels in our order catalogue "Installation material".

For every level, the right product					
		Central sealing level	Internal sealing level		
External sealing level	Products	Accessories	GU window sealing tape – internal use	GU joint sealing compound – internal use	GU butyl sheet for structural sealing – internal use
	GU window sealing tape – external use	– GU sealing cord – GU gun foam – GU winter gun foam – GU 2K quick foam – GU super sealant – GU ultra sealant – GU winter sealant – GU EPDM construction adhesive – GU primer	■	■	■
	GU joint sealing tape BG1/600		■	■	■
	GU joint sealing tape BG2/300		■	■	■
	GU joint sealing compound – external use		■	■	■
	GU KSK sheet for structural sealing		■		
	GU EPDM sealing sheet – external use		■		■

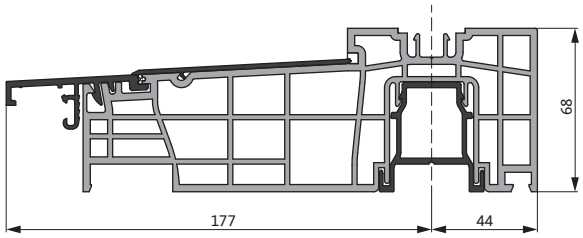
Thresholds

Versions and application ranges

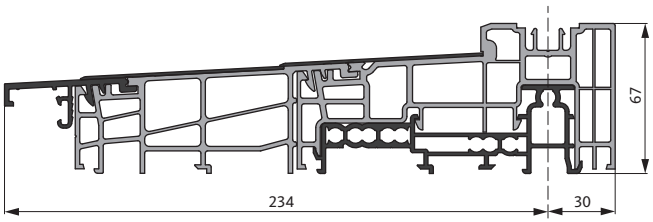
GU-thermostep thresholds



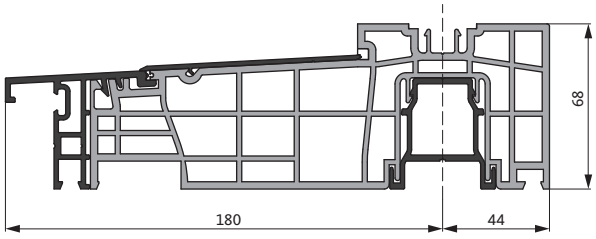
GU-thermostep 164 – sash thicknesses 56 and 68 mm



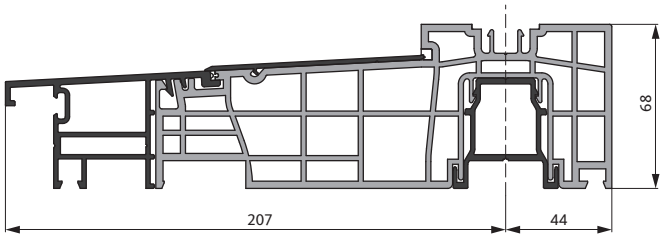
GU-thermostep 204 – sash thickness 78 mm



GU-thermostep 164 – for patterns E and L – sash thickness 78 mm

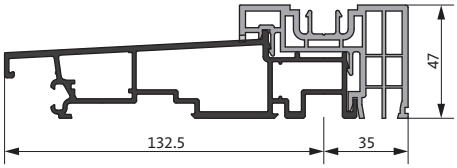


GU-thermostep 204 – sash thicknesses 88 to 92 mm



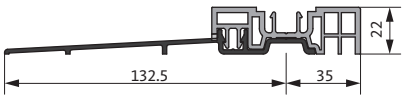
GU-thermostep 204 – sash thickness 110 mm

Thresholds – GU-threshold 47

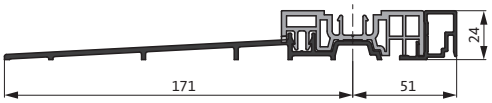


GU-threshold 47

Thresholds – GU-flatstep

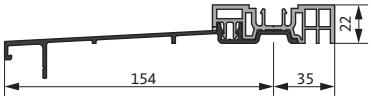


GU-flatstep 164

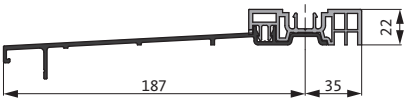


GU-flatstep 222

Thresholds – GU-timberstep



GU-timberstep 164



GU-timberstep 204

Thresholds

Pre-assembly to the required dimension

The GU group offrers individual pre-assembly as a strong service for the GU-thermostep thresholds.

This gives the fabricator the following benefits:

- No stock keeping of individual parts, so reduced inventory size and warehouse costs
- No offcuts and leftover amounts
- Reduced manufacturing time and costs
- Reduction of errors when cropping to size
- Reduction of errors when calculating and ordering the threshold

Stage 1: The pre-assembled threshold

for GU-thermostep 164 and GU-thermostep 204

The GU-thermostep 164 or GU-thermostep 204 thresholds are cut to the required dimension in full depending on the system, the corner connectors are pre-drilled and the drip rail is pre-mounted.

- All long parts are pre-assembled to the required dimension
- The drip rail is pre-mounted and screwed to the base profile of the threshold
- The mounting points of the corner connectors are predrilled
- The delivery scope is a ready-to-install packing unit, including corner connectors and accessories

Stage 2: Threshold assembled to the highest degree of prefabrication

for GU-thermostep 204

The GU-thermostep 204 threshold is pre-assembled for the specific system with the highest possible degree of prefabrication.

- The drip rail, the attachment track, the tread threshold and the roller track are cut to the right dimension and installed on the threshold with the necessary sealing
- As an option, you may select the comfort profile instead of the tread threshold
- The corner connectors are pre-drilled, sealed and fastened
- All the necessary seals are in place
- This prefabricated threshold can be installed on the element directly by the fabricator.

Stage 3: guide track and Lift&Slide hardware assembled to the highest degree of prefabrication

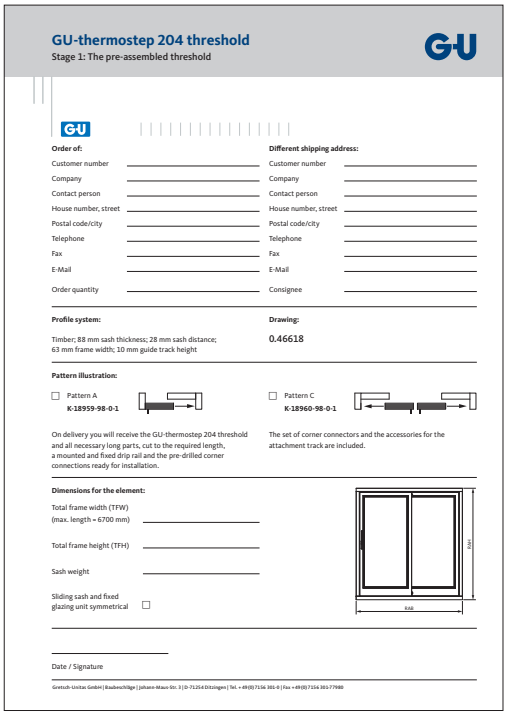
The P 1786 or P 1850 guide track and Lift&Slide gear are all cut to the required dimension, depending on the system.

The GU-934 or GU-937 bogies are pre-mounted with the rod cut to the required dimension.

- The highest degree of pre-fabrication, also for hardware components and guide tracks
- Delivery in ready-to-install packing units
- Direct installation of the items on the element

Order forms

We shall be glad to provide you with the right order form for your system.



GU-thermostep 204 threshold
Stage 1: The pre-assembled threshold

Order of:
Customer number
Company
Contact person
House number, street
Postal code/city
Telephone
Fax
E-Mail
Order quantity

Different shipping address:
Customer number
Company
Contact person
House number, street
Postal code/city
Telephone
Fax
E-Mail
Consignee

Profile system:
Timber; 88 mm sash thickness; 28 mm sash distance; 63 mm frame width; 10 mm guide track height

Drawing:
0.46618

Pattern illustration:
☐ Pattern A K-18959-98-0-1
☐ Pattern C K-18960-98-0-1

On delivery you will receive the GU-thermostep 204 threshold and all necessary long parts, cut to the required length, a mounted and fixed drip rail and the pre-drilled corner connections ready for installation.

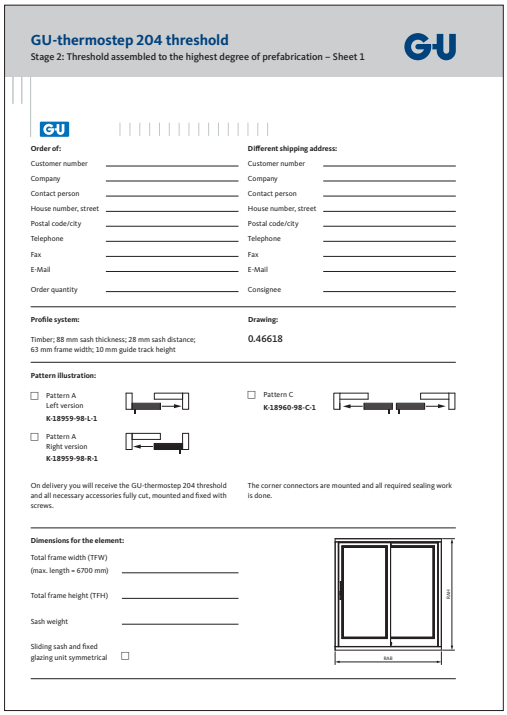
The set of corner connectors and the accessories for the attachment track are included.

Dimensions for the element:
Total frame width (TFW) (max. length = 6700 mm)
Total frame height (TFH)
Sash weight
Sliding sash and fixed glazing unit symmetrical ☐

Date / Signature

Gretsch-Unitas GmbH | Baubeschläge | Johann-Maus-Str. 3 | D-71254 Ditzingen | Tel. +49(0)7156 301-0 | Fax +49(0)7156 301-77980

Stage 1: Threshold pre-fabricated to the right dimension – order form



GU-thermostep 204 threshold
Stage 2: Threshold assembled to the highest degree of prefabrication – Sheet 1

Order of:
Customer number
Company
Contact person
House number, street
Postal code/city
Telephone
Fax
E-Mail
Order quantity

Different shipping address:
Customer number
Company
Contact person
House number, street
Postal code/city
Telephone
Fax
E-Mail
Consignee

Profile system:
Timber; 88 mm sash thickness; 28 mm sash distance; 63 mm frame width; 10 mm guide track height

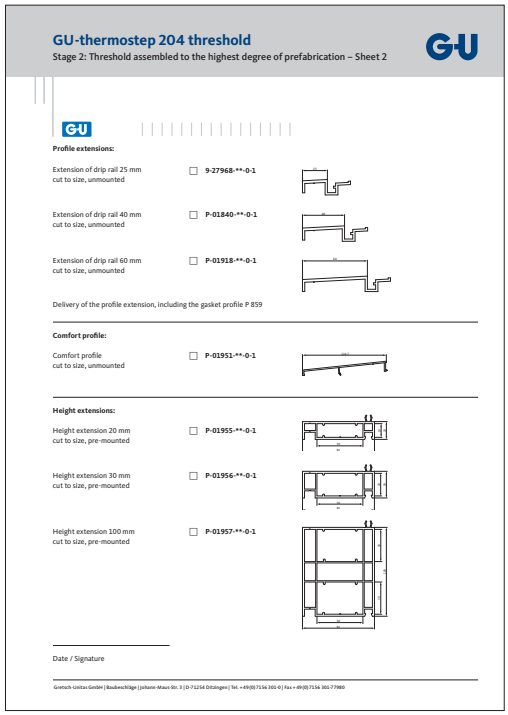
Drawing:
0.46618

Pattern illustration:
☐ Pattern A Left version K-18959-98-L-1
☐ Pattern A Right version K-18959-98-R-1
☐ Pattern C K-18960-98-C-1

On delivery you will receive the GU-thermostep 204 threshold and all necessary accessories fully cut, mounted and fixed with screws.

The corner connectors are mounted and all required sealing work is done.

Dimensions for the element:
Total frame width (TFW) (max. length = 6700 mm)
Total frame height (TFH)
Sash weight
Sliding sash and fixed glazing unit symmetrical ☐



GU-thermostep 204 threshold
Stage 2: Threshold assembled to the highest degree of prefabrication – Sheet 2

Profile extensions:
Extension of drip rail 25 mm cut to size, unmounted ☐ 9-27968-**-0-1
Extension of drip rail 40 mm cut to size, unmounted ☐ P-01840-**-0-1
Extension of drip rail 60 mm cut to size, unmounted ☐ P-01918-**-0-1

Delivery of the profile extension, including the gasket profile P 859

Comfort profile:
Comfort profile cut to size, unmounted ☐ P-01951-**-0-1

Height extensions:
Height extension 20 mm cut to size, pre-mounted ☐ P-01955-**-0-1
Height extension 30 mm cut to size, pre-mounted ☐ P-01956-**-0-1
Height extension 100 mm cut to size, pre-mounted ☐ P-01957-**-0-1

Date / Signature

Gretsch-Unitas GmbH | Baubeschläge | Johann-Maus-Str. 3 | D-71254 Ditzingen | Tel. +49(0)7156 301-0 | Fax +49(0)7156 301-77980

Stage 2: Threshold pre-assembled to the highest degree of prefabrication – order form

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern A

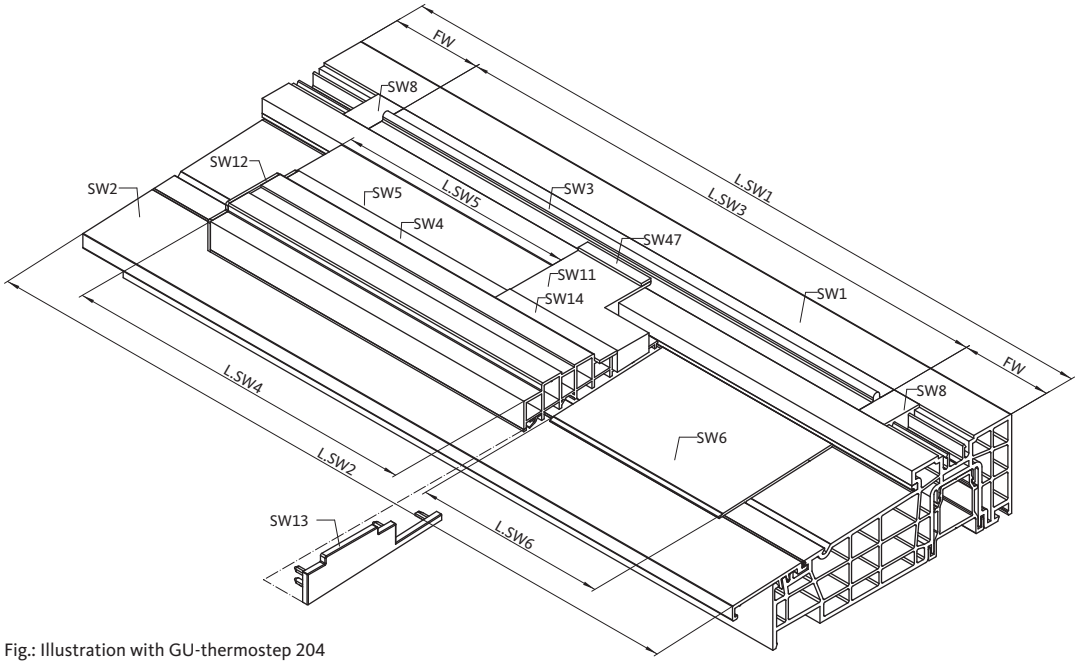


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	1x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern A3

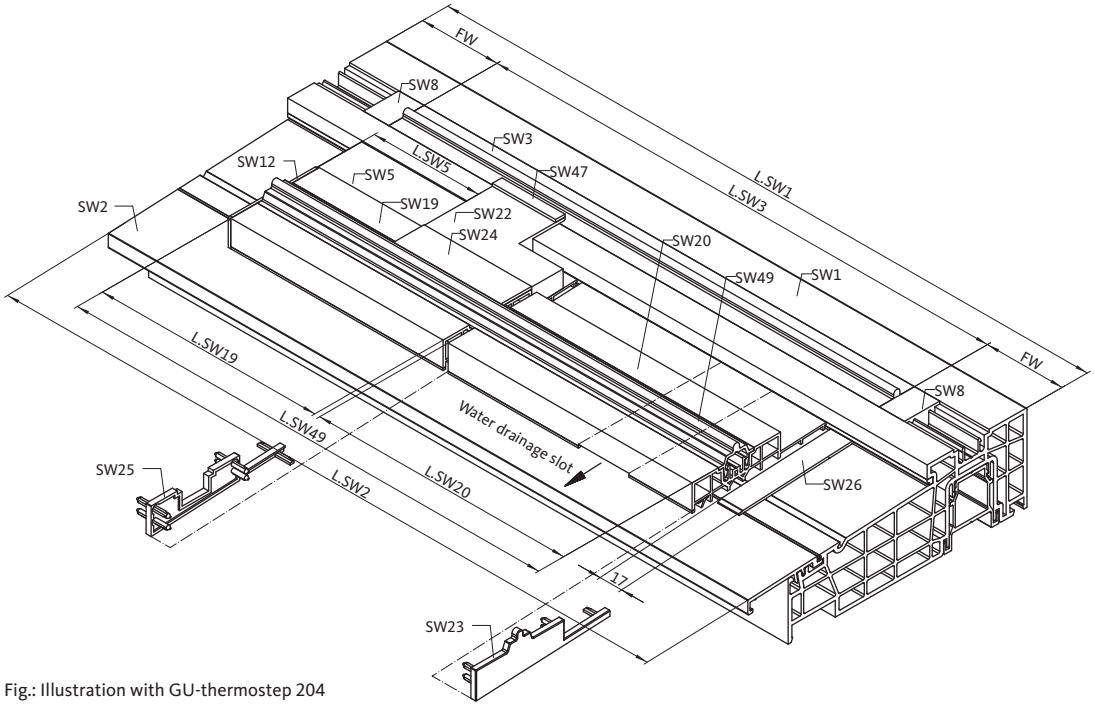


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track 1
SW20	Attachment track 2
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW26	Tread threshold
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track 1	= sash width (SW)	1x
Attachment track 2	= sash width (SW)	1x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern C

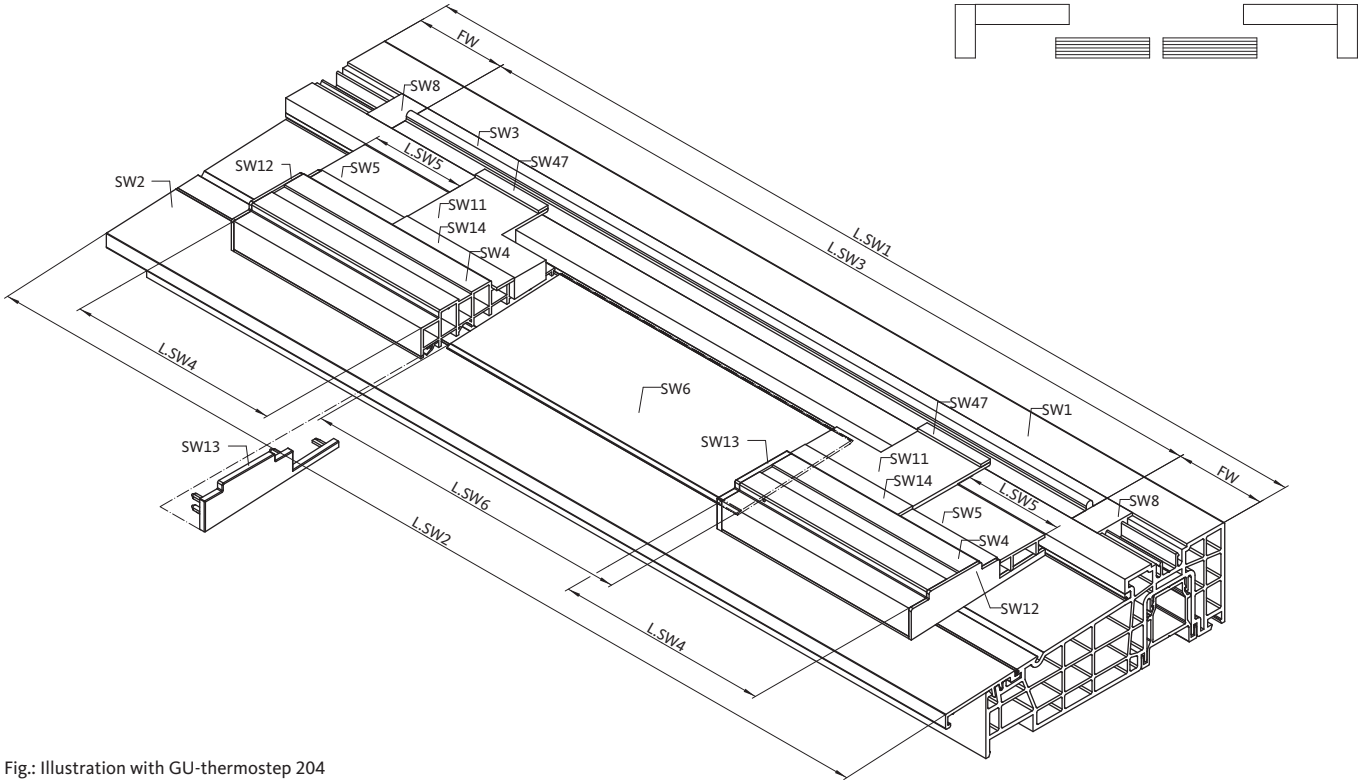


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	2x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern D

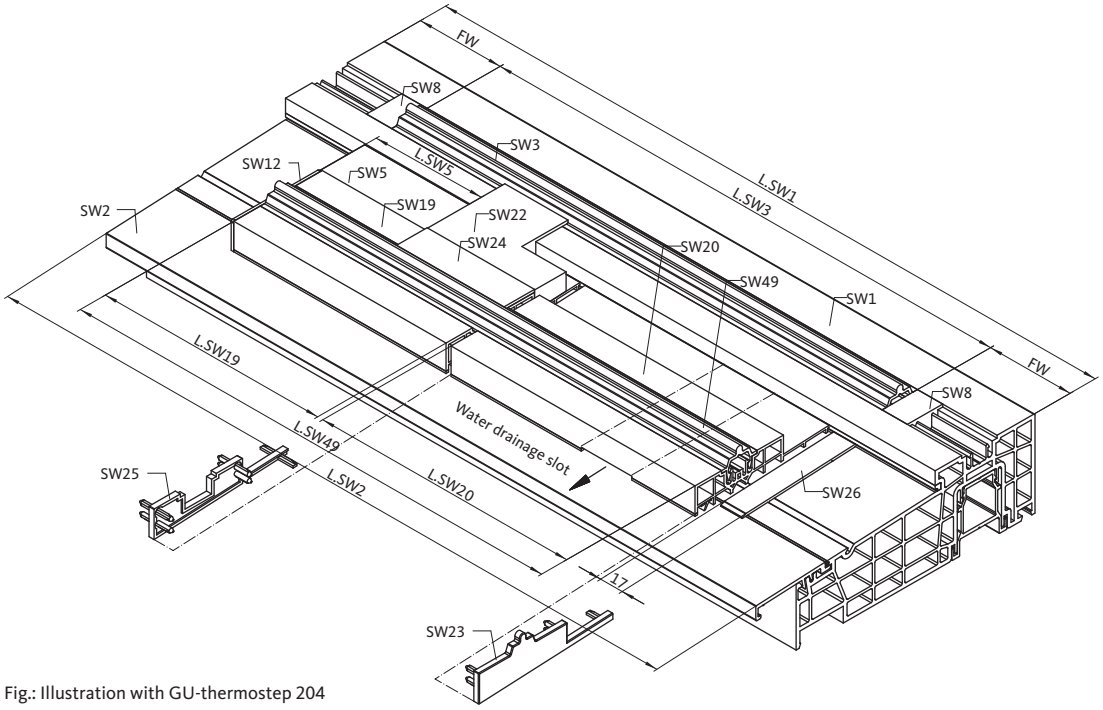


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track 1
SW20	Attachment track 2
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW26	Tread threshold

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track 1	= sash width (SW)	1x
Attachment track 2	= sash width (SW)	1x
Tread threshold	15 mm	1x
Drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern E

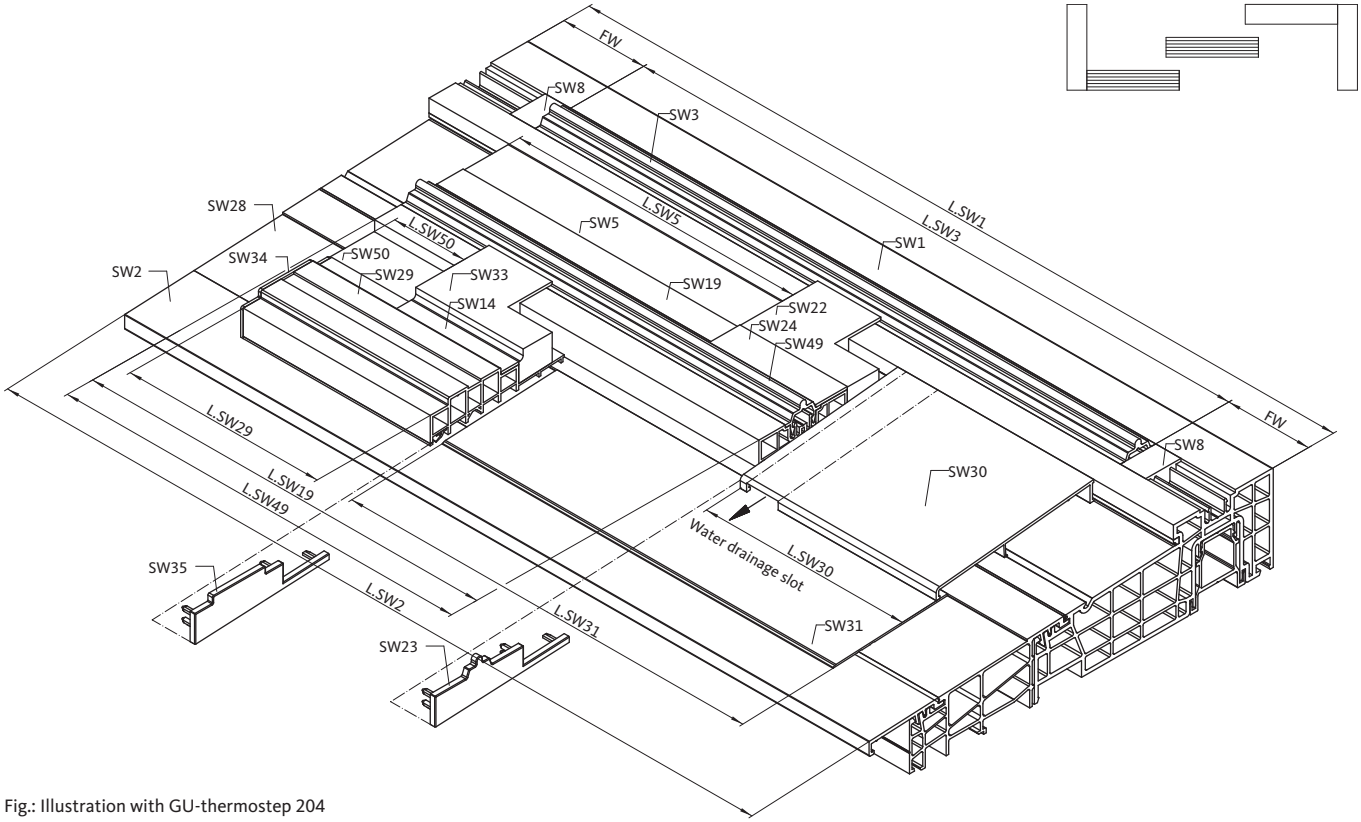


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track, inner sash
SW5	Intermediate profile, centre sash
SW8	Gasket plate for roller track groove
SW14	Gasket plate for fixed-glazed sash
SW19	Attachment track, centre sash
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW28	Extension profile
SW29	Attachment track, fixed-glazed sash
SW30	Comfort profile
SW31	Tread threshold
SW33	Gasket plate for meeting stile
SW34	Gasket plate for attachment track
SW35	End cap for attachment track
SW49	Roller track, centre sash
SW50	Intermediate profile, fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Extension profile	= total frame width (TFW)	1x
Drip rail	= total frame width (TFW)	1x
Attachment track, fixed-glazed sash	= ⅓ total frame width (TFW)	1x
Intermediate profile, fixed-glazed sash	= ⅓ total frame width (TFW)	1x
Attachment track, centre sash	= ⅔ total frame width (TFW)	1x
Intermediate profile, centre sash	= ⅔ total frame width (TFW)	1x
Roller track, centre sash	= ⅔ total frame width (TFW)	1 x
Roller track, inner sash	= total frame width (TFW)	1x
Tread threshold, fixed-glazed sash *	= ⅔ total frame width (TFW)	1x
Comfort profile *	= ⅓ total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern F

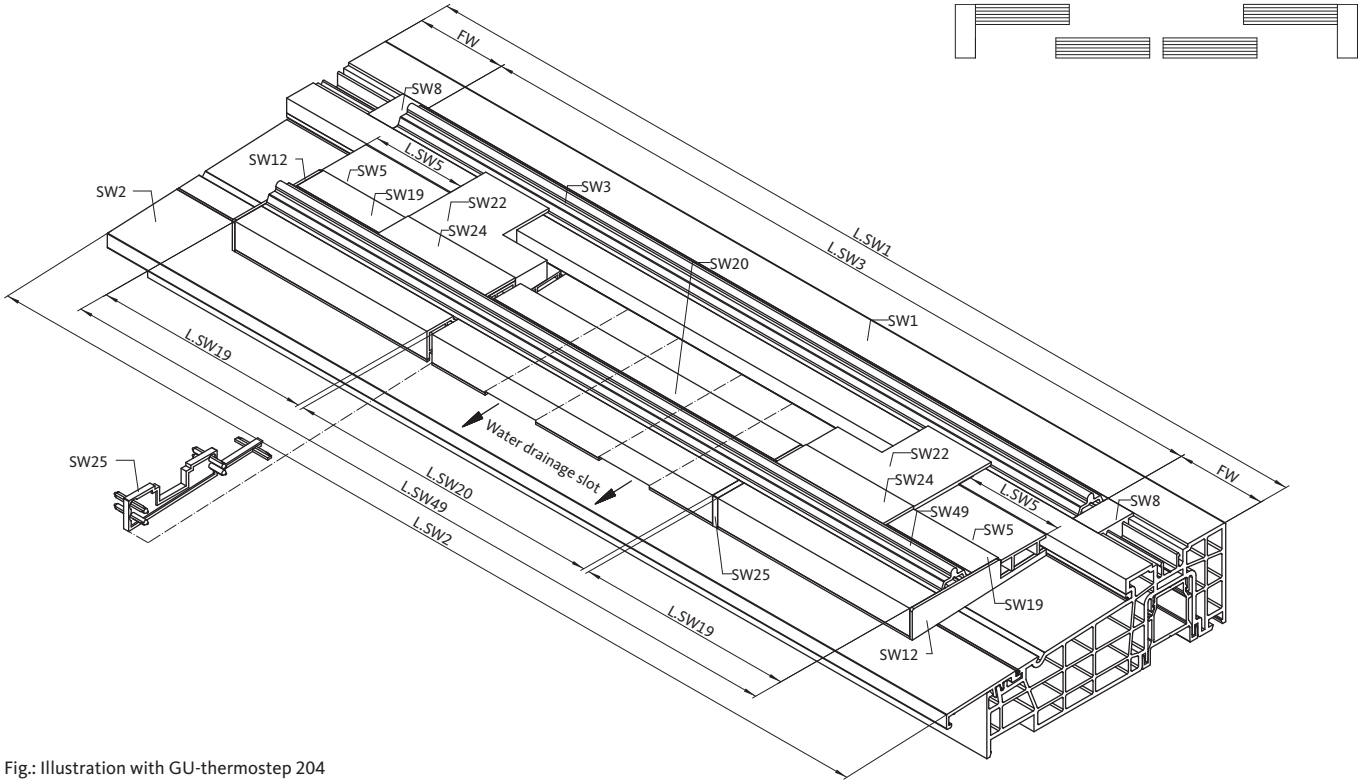


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track 1
SW20	Attachment track 2
SW22	Gasket plate for meeting stile
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW49	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track 1	= sash width (SW)	2x
Attachment track 2	= sash width (SW)	2x
Drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern G1

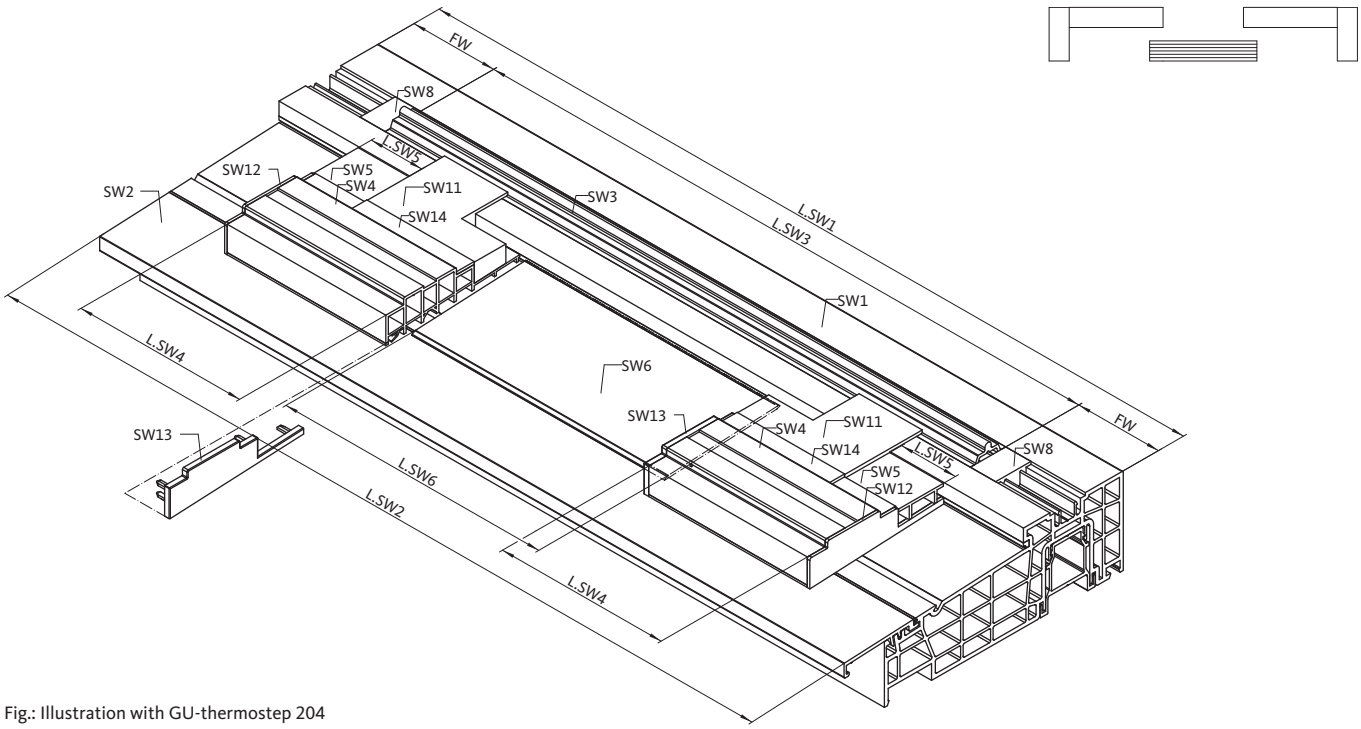


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	2x
Tread threshold *	= ⅓ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern G2

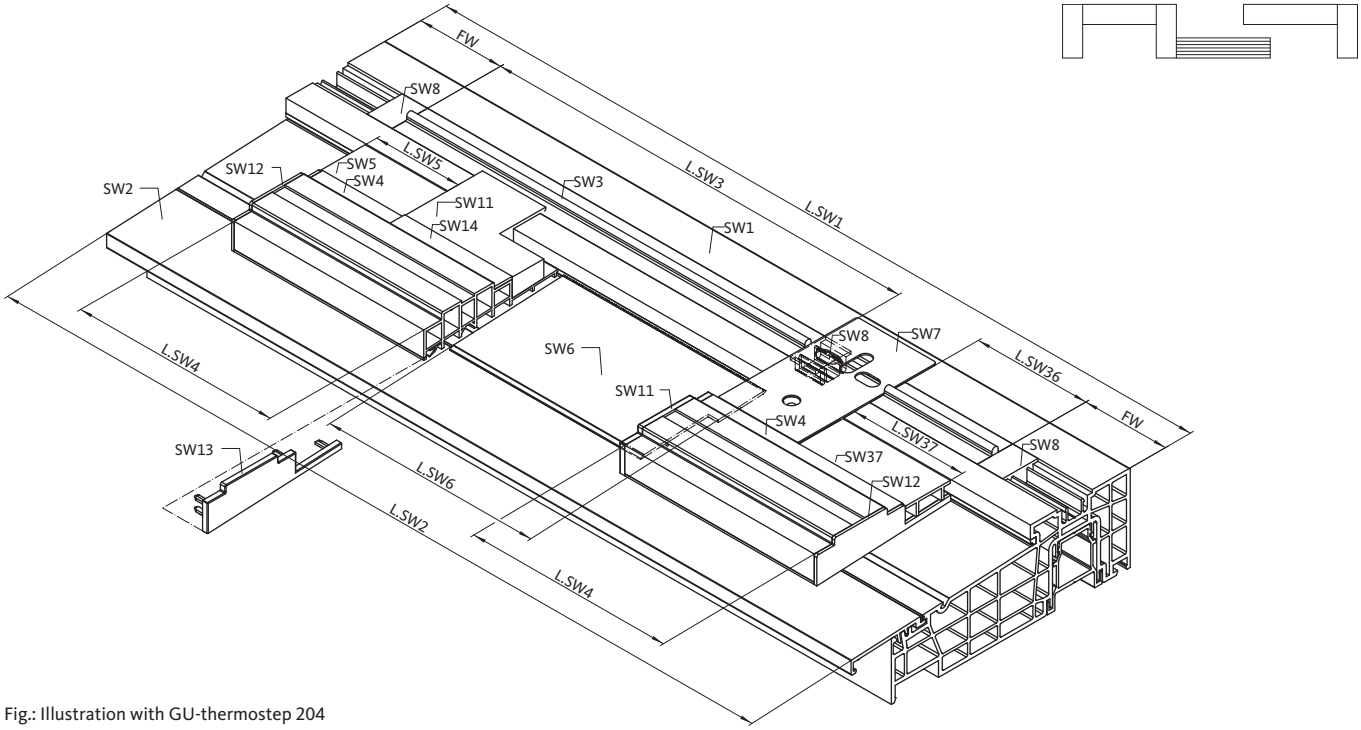


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW7	Corner connectors
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW37	Intermediate profile (optional)

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	2x
Tread threshold *	= ⅓ total frame width (TFW)	1x
Roller track	= ⅔ total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern G3

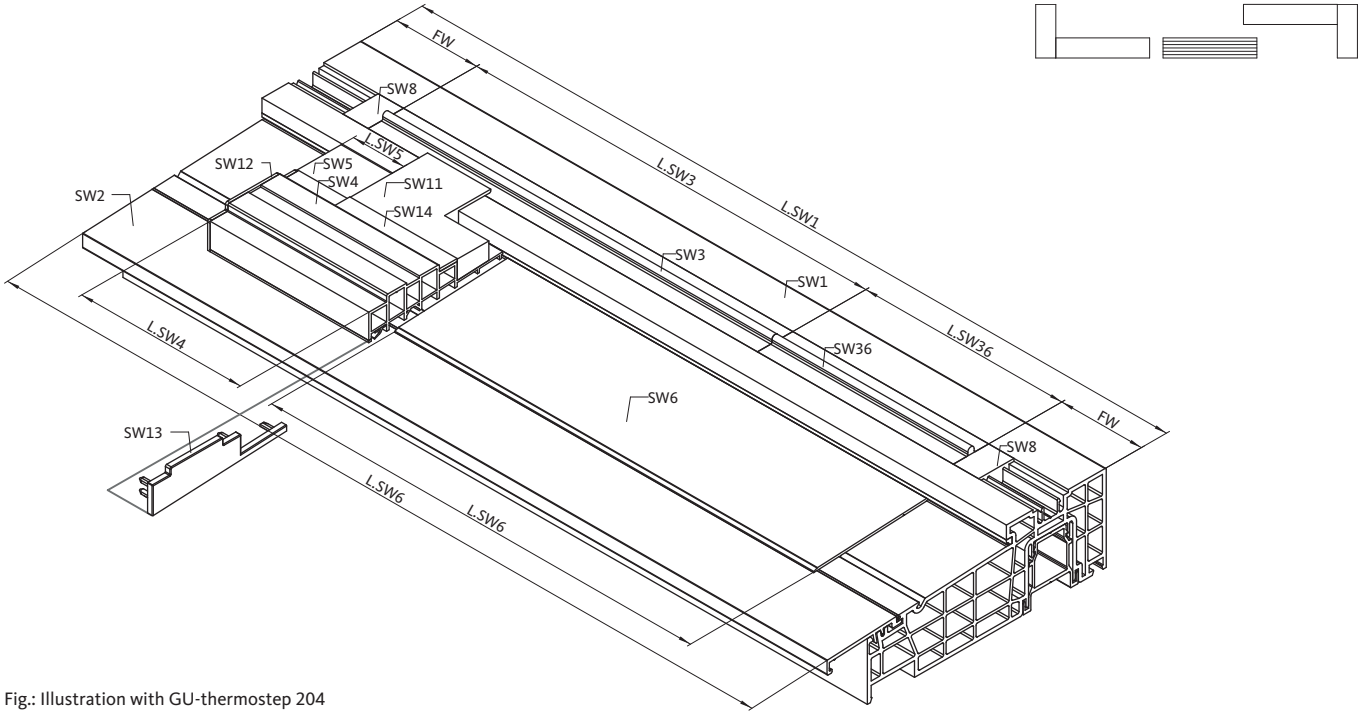


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW36	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	1x
Tread threshold *	= ⅔ total frame width (TFW)	1x
Roller track	= ⅔ total frame width (TFW)	1x
Roller track	= ⅓ total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern H

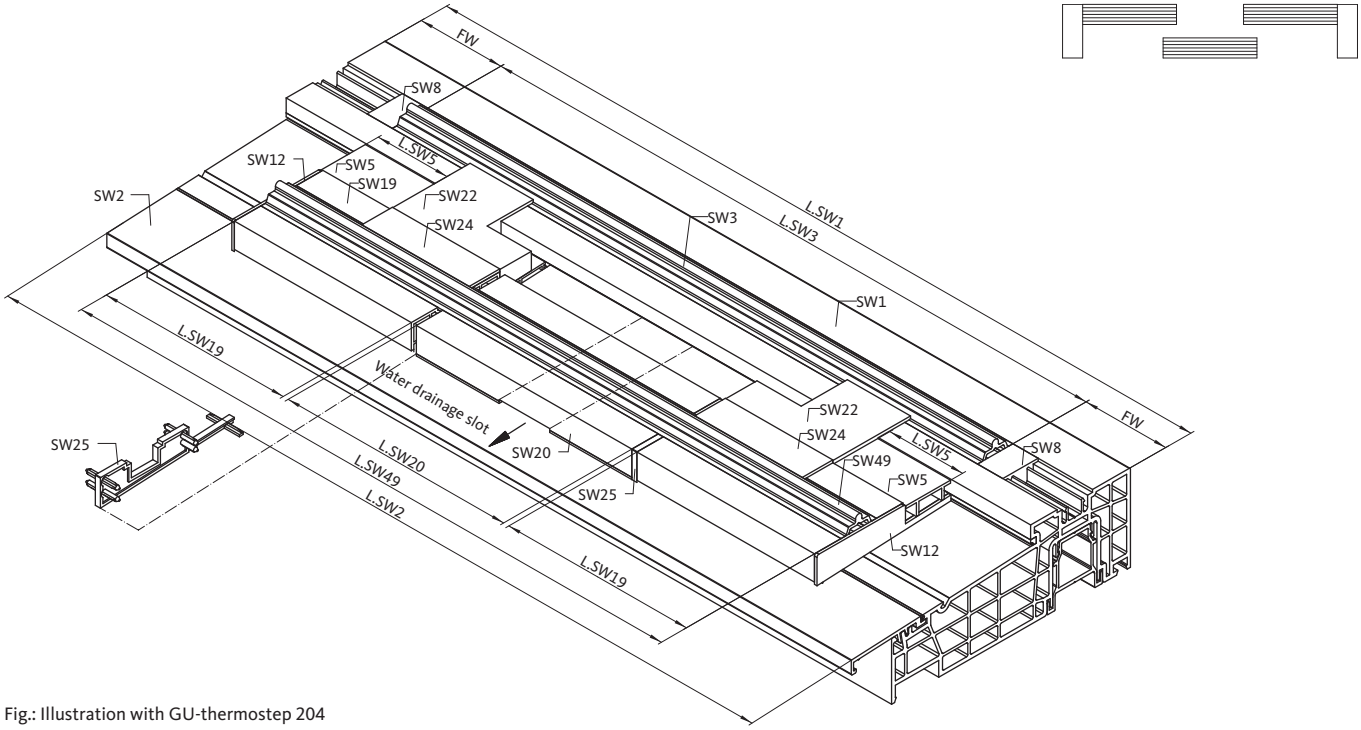


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track-1
SW20	Attachment track-2
SW22	Gasket plate for meeting stile
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW49	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track-1	= sash width (SW)	2x
Attachment track-2	= sash width (SW)	1x
Drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts

Pattern K

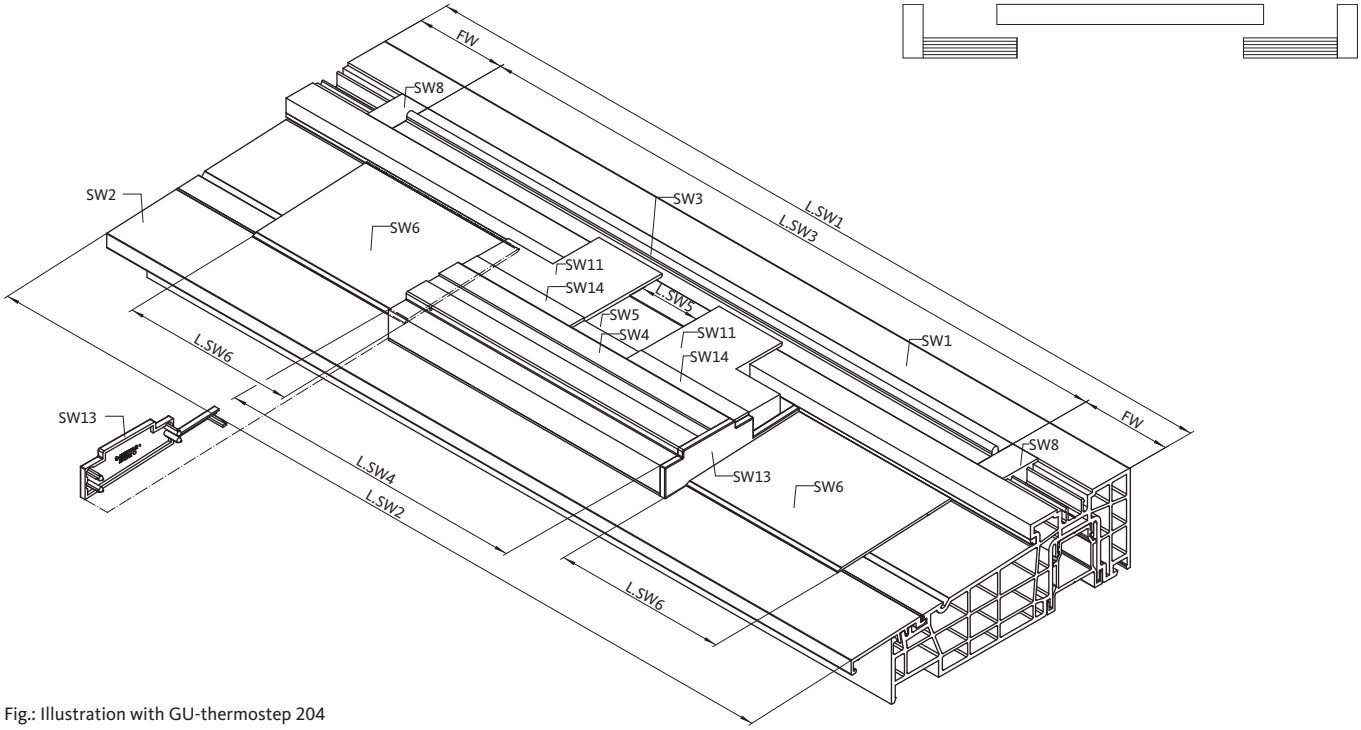


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	2x
Tread threshold *	= sash width (SW)	2x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern L

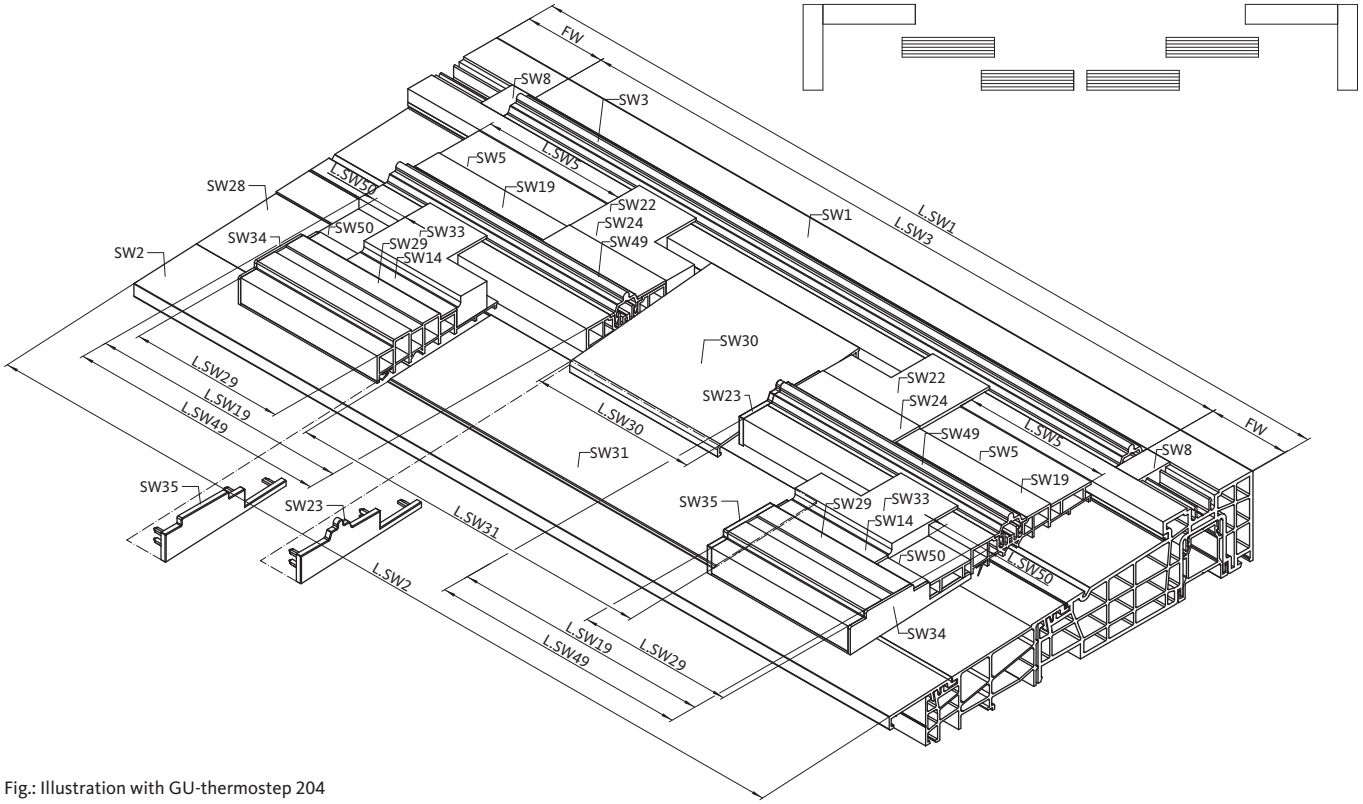


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track, inner sash
SW5	Intermediate profile, centre sash
SW8	Gasket plate for roller track groove
SW14	Gasket plate for fixed-glazed sash
SW19	Attachment track, centre sash
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW28	Extension profile
SW29	Attachment track, fixed-glazed sash
SW30	Comfort profile
SW31	Tread threshold
SW33	Gasket plate for meeting stile
SW34	Gasket plate for attachment track
SW35	End cap for attachment track
SW49	Roller track, centre sash
SW50	Intermediate profile, fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Extension profile	= total frame width (TFW)	1x
Drip rail	= total frame width (TFW)	1x
Attachment track, fixed-glazed sash	= ⅓ total frame width (TFW)	1x
Intermediate profile, fixed-glazed sash	= ⅓ total frame width (TFW)	1x
Attachment track, centre sash	= ⅔ total frame width (TFW)	1x
Intermediate profile, centre sash	= ⅔ total frame width (TFW)	1x
Roller track, centre sash	= ⅔ total frame width (TFW)	1 x
Roller track, inner sash	= total frame width (TFW)	1x
Tread threshold, fixed-glazed sash *	= ⅔ total frame width (TFW)	1x
Tread threshold, centre sash *	= ⅓ total frame width (TFW)	1x

* With GU-thermostep threshold only

Turn handles

Materials and finishes

RONDO series

BELCANTO series

DIRIGENT series

Silver / EV 1 look

With its cool, slightly reflective finish, the silver/EV 1 look offers the perfect complement to modern interiors. The robust finish is also impressive owing to its high impact- and scratch-resistance.

Solid brass

One of the outstanding versions of Lift&Slide turn handles is the brass cast made of solid metal. This important hardware is characterized in long-term use by its excellent corrosion resistance and its extremely low maintenance requirements.

Dark brown (similar to RAL 8022)
White (RAL 9016)

Gretsch-Unitas creates ideally resistant finishes – even in various different RAL colour shades – through product-specific coating procedures, which are characterized by a high-quality appearance and a particularly long service life.

Matt stainless steel

The matt stainless steel finish is particularly durable, which makes it an ideal alternative to other surface finishes.

Finish: 9 – more finishes available on request

Our turn handles are also available in various special colours on request. Individual design solutions and colour concepts can therefore be realised harmoniously throughout the entire building thanks to the expertise of Gretsch-Unitas.

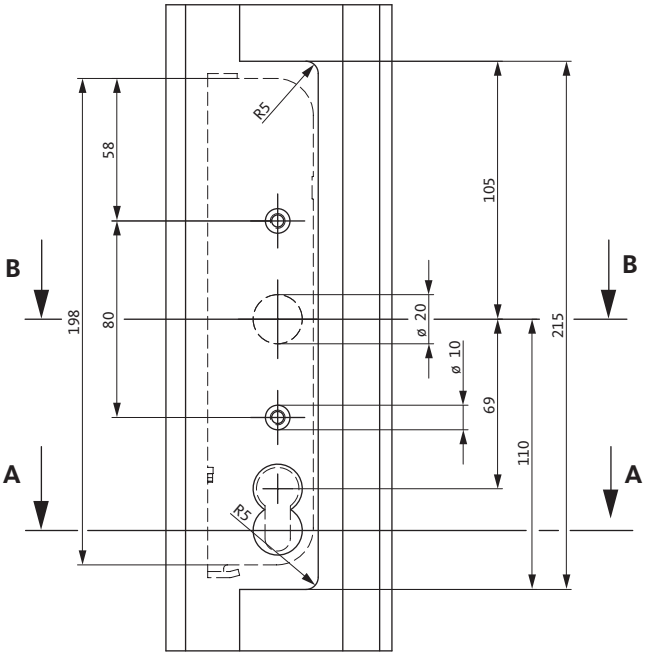
Variety of profile cylinders

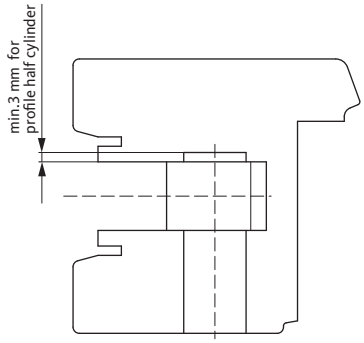
Delivery can be completed with compatible profile cylinders from the BKS locking cylinder range. Swiss round cylinders (Swiss RC) round off the range.

The turn handles and flush pulls for Lift&Slide elements are available in various materials and finishes. The turn handle range is rounded off with turn handles for actuation on both sides and variants with a Swiss RC hole, as well as special versions.

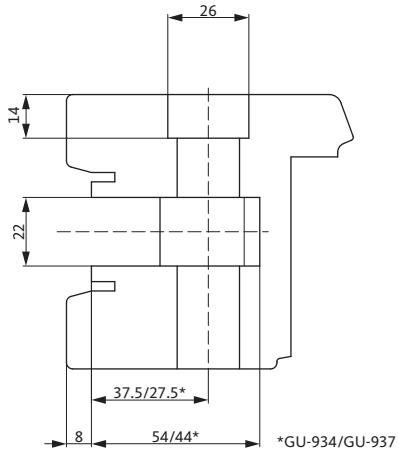
Choose the right solution for you from our RONDO, BELCANTO and DIRIGENT series.

Drilling and milling dimensions for installation in the sash





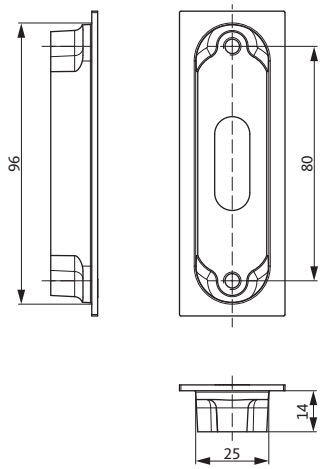
Section A – A



Section B – B

Drilling and milling pattern for flush pull

The milling depth depends on the overall depth of the flush pull. In the example shown, at least 14 mm.



You can find ordering information in Chapter 6.0 "Turn handles and accessories" from page 409.

List of abbreviations

List of abbreviations	
FGSW	Fixed-glazed sash width
FW	Frame profile width
HD	Handle distance
IFW	Interior frame width
LD	Length of drive case
PC	Profile cylinder
PU	Packing unit
SD	Sash distance
SH	Sash height
ST	Sash thickness
SW	Sash weight
SW	Sash width
Swiss RC	Swiss round cylinder
TFH	Total frame height
TFW	Total frame width
WR	Width of reveal

Exclusion of liability/Copyright notice

Indicative character of technical information, exclusion of liability

The technical documents are general informations based on our experience and tests and therefore does not take any specific application into account. They are intended as general information only for initial orientation, and must not be used as the decision-making basis. They reflect the version of the catalogue at the time of going to press. Although we have made every attempt to ensure the information provided here is accurate, it is non-binding. It should be adapted to the respective construction projects, usage and specific on-site demands. Due to further developments, and also to take current developments into account and exclude printing errors or other oversights or omissions, you can find the respective latest version of the binding technical documents at www.g-u.com. Be sure to use the latest edition of our technical documents.

The product images shown in the publication may differ from the actual product, particularly as a result of technical improvements. We would also like to draw your attention to the current information at the website mentioned above.

Copyright notice

© All illustrations and texts in this publication are protected by copyright. Unless otherwise stated in the image credits, the rights belong to the Gretsch-Unitas group. Any use of copyright protected materials without the consent of the holder of the rights is prohibited.

Publisher
Gretsch-Unitas GmbH
Baubeschläge
Johann-Maus-Str. 3
71254 Ditzingen, Germany
Tel. +49 71 56 3 01-0
Fax +49 71 56 3 01-2 93
www.g-u.com

WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS

Gretsch-Unitas GmbH
Baubeschläge
Johann-Maus-Str. 3
D-71254 Ditzingen
Tel. + 49 7156 301-0
Fax + 49 7156 301-77980

BKS GmbH
Heidestr. 71
D-42549 Velbert
Tel. + 49 2051 201-0
Fax + 49 2051 201-9733

www.g-u.com

WP00070-04-1-1 04/2019 Printed in Germany

Securing technology for you